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OM nucleic - nucleic search, using sw model

Run on: April 1, 2003, 03:10:32 ; Search time 1847 Seconds
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Title: US-09-813-492-1
Perfect score: 2017
Sequence: 1 tagataccctgaacacctcc.....ataccaaaaaaaaaaaaaaa 2017

Scoring table: OLIGO_NUC
Gapop 60.0 , Gapext 60.0

Searched: 593429 seqs, 438583890 residues

Word size : 0

Total number of hits satisfying chosen parameters: 1186858

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Listing first 45 summaries

Database : Published_Applications_NA:*
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2: /cgn2_6/ptodata/2/pubpna/PCT_NEW_PUB.seq:*
3: /cgn2_6/ptodata/2/pubpna/US06_NEW_PUB.seq:*
4: /cgn2_6/ptodata/2/pubpna/US06_PUBCOMB.seq:*
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12: /cgn2_6/ptodata/2/pubpna/US10_PUBCOMB.seq:*
13: /cgn2_6/ptodata/2/pubpna/US60_NEW_PUB.seq:*
14: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

	Result No.	Score	% Query Match	Length	DB	ID	Description
	1	2017	100.0	2017	10	US-09-813-492-1	Sequence 1, Appli
	2	498	24.7	731	9	US-09-898-751A-5	Sequence 5, Appli
	3	498	24.7	731	9	US-10-146-496-1	Sequence 1, Appli
	4	497	24.6	768	10	US-09-931-381A-1	Sequence 1, Appli
	5	313	15.5	3117	9	US-09-834-794A-6	Sequence 6, Appli
	6	313	15.5	3117	10	US-09-834-795A-6	Sequence 6, Appli
c	7	254	12.6	472	10	US-09-964-824A-56	Sequence 56, Appl
c	8	202	10.0	311	9	US-09-834-794A-11	Sequence 11, Appl
c	9	202	10.0	311	10	US-09-834-795A-11	Sequence 11, Appl
c	10	104	5.2	104	9	US-09-834-794A-8	Sequence 8, Appli
c	11	104	5.2	104	9	US-09-834-794A-35	Sequence 35, Appl
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	14	91	4.5	445	9	US-10-146-496-4	Sequence 4, Appli
	15	69	3.4	496	9	US-10-146-496-3	Sequence 3, Appli
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	17	59	2.9	172	10	US-09-783-590-2802	Sequence 2802, Ap
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c	19	56	2.8	1091	9	US-09-822-846-89	Sequence 89, Appl
c	20	54	2.7	30350	9	US-10-118-328-3	Sequence 3, Appli
	21	53	2.6	56737	10	US-09-782-378A-17	Sequence 17, Appl
c	22	52	2.6	697	9	US-10-091-504-2381	Sequence 2381, Ap
c	23	52	2.6	697	10	US-09-764-869-2381	Sequence 2381, Ap
c	24	52	2.6	1830	10	US-09-731-872-241	Sequence 241, App
c	25	52	2.6	1831	10	US-09-731-872-240	Sequence 240, App
c	26	52	2.6	2492	10	US-09-925-301-593	Sequence 593, App
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c	35	51	2.5	88	9	US-10-092-154-1892	Sequence 1892, Ap
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c	41	51	2.5	3705	10	US-09-764-877-2510	Sequence 2510, Ap
	42	51	2.5	8447	10	US-09-954-456-543	Sequence 543, App
	43	51	2.5	8447	10	US-09-880-107-3320	Sequence 3320, Ap
c	44	51	2.5	31730	10	US-09-764-877-3810	Sequence 3810, Ap
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ALIGNMENTS

RESULT 1
US-09-813-492-1
; Sequence 1, Application US/09813492
; Patent No. US20020009735A1
; GENERAL INFORMATION:
; APPLICANT: Labow, Mark A.
; APPLICANT: Mickanin, Craig Stephen
; APPLICANT: Bhatia, Umesh
; TITLE OF INVENTION: MAMMARY GLAND CHEMOKINE
; FILE REFERENCE: 12345
; CURRENT APPLICATION NUMBER: US/09/813,492
; CURRENT FILING DATE: 2001-03-21
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 2017
; TYPE: DNA
; ORGANISM: HUMAN
US-09-813-492-1

Query Match 100.0%; Score 2017; DB 10; Length 2017;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2017; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db       1 TAGATACCCTGAACACCTCCCAGGGCGGGGCCACCTGGCTTACTTTTCCTCTGCACTTTC 60

Qy      61 TCTGTGCCCAAGGACACCTTTAGCCTCATTTCCTGATCGAACAGCCTCACTTGTGTTGCT 120
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
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Qy     241 GGAGGTTTCACATCATATTTCCAGAAGGCTCCTGGAAAGAGTGAATATGTGTCGCATCCA 300
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RESULT 2
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; Sequence 5, Application US/09898751A
; Patent No. US20020160024A1
; GENERAL INFORMATION:
; APPLICANT: Oldham, Elizabeth R.
; APPLICANT: Soto, Hortensia
; APPLICANT: Liu, Ying
; APPLICANT: Hudak, Susan A.
; APPLICANT: Homey, Bernhard
; APPLICANT: Morales, Janine M.
; APPLICANT: Kellerman, Sirid-Aimee
; APPLICANT: McEvoy, Leslie M.
; APPLICANT: Bowman, Edward P.
; APPLICANT: Zlotnik, Albert
; TITLE OF INVENTION: CHEMOKINE AND RECEPTOR USES; COMPOSITIONS; METHODS
; FILE REFERENCE: DX0882XK
; CURRENT APPLICATION NUMBER: US/09/898,751A
; CURRENT FILING DATE: 2001-07-02
; PRIOR APPLICATION NUMBER: US09/471,549
; PRIOR FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: US60/136,570
; PRIOR FILING DATE: 1999-05-27
; PRIOR APPLICATION NUMBER: US60/113,858
; PRIOR FILING DATE: 1998-12-24
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: PatentIn version 3.1

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;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: CDS
;   LOCATION: (56)..(436)
;   OTHER INFORMATION:
;   NAME/KEY: mat_peptide
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;   OTHER INFORMATION:
;   NAME/KEY: misc_feature
;   LOCATION: (529)..(529)
;   OTHER INFORMATION: unknown amino; may be "A", "C", or "G"
US-09-898-751A-5

  Query Match             24.7%;  Score 498;  DB 9;  Length 731;
  Best Local Similarity   100.0%;  Pred. No. 3.9e-238;
  Matches  498;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

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Db     243 TCATCCTTCATGTCAAGCGCAGAAGAATCTGTGTCAGCCCGCACAACCATACTGTTAAGC 302

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Db     363 AACACCATGGCAAGAGGAACAGTAACAGGGCACATCAGGGGAAACACGAAACATACGGCC 422

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Db     483 TTGGCCATGATTGGTTGT 500


RESULT 3
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; Sequence 1, Application US/10146496
; Publication No. US20030031646A1
;   GENERAL INFORMATION:
;        APPLICANT: Vicari, Alain
;                   Morales, Janine M.
;                   Hedrick, Joseph A.
;                   Zlotnik, Albert
;        TITLE OF INVENTION: Mammalian Chemokines
;        NUMBER OF SEQUENCES: 12
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: DNAX Research Institute
;             STREET: 901 California Avenue
;             CITY: Palo Alto
;             STATE: California
;             COUNTRY: USA
;             ZIP: 94304-1104
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Floppy disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: PC-DOS/MS-DOS
;             SOFTWARE: PatentIn Release #1.0, Version #1.30
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/10/146,496
;             FILING DATE: 15-May-2002
;             CLASSIFICATION: <Unknown>
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: US/08/978,964A
;             FILING DATE: 26-NOV-1997
;             APPLICATION NUMBER: US xx/xxx,xxx
;             FILING DATE: 24-OCT-1997
;        ATTORNEY/AGENT INFORMATION:
;             NAME: Ching, Edwin P.
;             REGISTRATION NUMBER: 34,090
;             REFERENCE/DOCKET NUMBER: DX0684K1
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: (650)852-9196
;             TELEFAX: (650)496-1204
;   INFORMATION FOR SEQ ID NO: 1:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 731 base pairs
;             TYPE: nucleic acid
;             STRANDEDNESS: single
;             TOPOLOGY: linear
;        MOLECULE TYPE: cDNA
;        FEATURE:
;             NAME/KEY:  CDS
;             LOCATION:  56..436
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;             designated M, may be A or C"
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;             LOCATION:  712
;             OTHER INFORMATION:  /note= "nucleotide 712 designated
;             N, may be A, C, G, or T"
;        SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-10-146-496-1

  Query Match             24.7%;  Score 498;  DB 9;  Length 731;
  Best Local Similarity   100.0%;  Pred. No. 3.9e-238;
  Matches  498;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy      93 CTGATCGAACAGCCTCACTTGTGTTGCTGTCAGTGCCAGTAGGGCAGGCAGGAATGCAGC 152
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Db       3 CTGATCGAACAGCCTCACTTGTGTTGCTGTCAGTGCCAGTAGGGCAGGCAGGAATGCAGC 62

Qy     153 AGAGAGGACTCGCCATCGTGGCCTTGGCTGTCTGTGCGGCCCTACATGCCTCAGAAGCCA 212
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
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Qy     213 TACTTCCCATTGCCTCCAGCTGTTGCACGGAGGTTTCACATCATATTTCCAGAAGGCTCC 272
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Db     123 TACTTCCCATTGCCTCCAGCTGTTGCACGGAGGTTTCACATCATATTTCCAGAAGGCTCC 182

Qy     273 TGGAAAGAGTGAATATGTGTCGCATCCAGAGAGCTGATGGGGATTGTGACTTGGCTGCTG 332
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     183 TGGAAAGAGTGAATATGTGTCGCATCCAGAGAGCTGATGGGGATTGTGACTTGGCTGCTG 242

Qy     333 TCATCCTTCATGTCAAGCGCAGAAGAATCTGTGTCAGCCCGCACAACCATACTGTTAAGC 392
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Db     243 TCATCCTTCATGTCAAGCGCAGAAGAATCTGTGTCAGCCCGCACAACCATACTGTTAAGC 302
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possible 102(e) ordered pursuant to see if true is support for detection of breast cancer

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Qy    453 AACACCATGGCAAGAGGAACAGTAACAGGGCACATCAGGGGAAACACGAAACATACGGCC 512
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    363 AACACCATGGCAAGAGGAACAGTAACAGGGCACATCAGGGGAAACACGAAACATACGGCC 422

Qy    513 ATAAAACTCCTTATTAGAGAGTCTACAGATAAATCTACAGAGACAATTCCTCAAGTGGAC 572
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    423 ATAAAACTCCTTATTAGAGAGTCTACAGATAAATCTACAGAGACAATTCCTCAAGTGGAC 482

Qy    573 TTGGCCATGATTGGTTGT 590
          ||||||||||||||||||
Db    483 TTGGCCATGATTGGTTGT 500
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too late interference?

```
RESULT 4
US-09-931-381A-1
; Sequence 1, Application US/09931381A
; Patent No. US20020137107A1
; GENERAL INFORMATION:
;  APPLICANT: Butcher, Eugene C.
;  APPLICANT:  Kunkel, Eric J.
;  APPLICANT:  Pan, Junliang
;  APPLICANT:  Soler-Ferran, Dulce
;  TITLE OF INVENTION: Method for Identifying Agents Which
;  TITLE OF INVENTION:  Modulate Chemokine "MEC"-Induced Functions of CCR3 and/or
;  TITLE OF INVENTION:  CCR10
;  FILE REFERENCE: 1855.2010-003
;  CURRENT APPLICATION NUMBER: US/09/931,381A
;  CURRENT FILING DATE:  2001-08-15
;  PRIOR APPLICATION NUMBER: U.S. 09/638,914
;  PRIOR FILING DATE: 2000-08-15
;  NUMBER OF SEQ ID NOS: 24
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1
;   LENGTH: 768
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: CDS
;   LOCATION: (53)...(436)
US-09-931-381A-1

  Query Match            24.6%;  Score 497;  DB 10;  Length 768;
  Best Local Similarity   100.0%;  Pred. No. 1.2e-237;
  Matches  497;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy     94 TGATCGAACAGCCTCACTTGTGTTGCTGTCAGTGCCAGTAGGGCAGGCAGGAATGCAGCA 153
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      1 TGATCGAACAGCCTCACTTGTGTTGCTGTCAGTGCCAGTAGGGCAGGCAGGAATGCAGCA 60

Qy    154 GAGAGGACTCGCCATCGTGGCCTTGGCTGTCTGTGCGGCCCTACATGCCTCAGAAGCCAT 213
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     61 GAGAGGACTCGCCATCGTGGCCTTGGCTGTCTGTGCGGCCCTACATGCCTCAGAAGCCAT 120

Qy    214 ACTTCCCATTGCCTCCAGCTGTTGCACGGAGGTTTCACATCATATTTCCAGAAGGCTCCT 273
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    121 ACTTCCCATTGCCTCCAGCTGTTGCACGGAGGTTTCACATCATATTTCCAGAAGGCTCCT 180

Qy    274 GGAAAGAGTGAATATGTGTCGCATCCAGAGAGCTGATGGGGATTGTGACTTGGCTGCTGT 333
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    181 GGAAAGAGTGAATATGTGTCGCATCCAGAGAGCTGATGGGGATTGTGACTTGGCTGCTGT 240

Qy    334 CATCCTTCATGTCAAGCGCAGAAGAATCTGTGTCAGCCCGCACAACCATACTGTTAAGCA 393
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    241 CATCCTTCATGTCAAGCGCAGAAGAATCTGTGTCAGCCCGCACAACCATACTGTTAAGCA 300

Qy    394 GTGGATGAAAGTGCAAGCTGCCAAGAAAAATGGTAAAGGAAATGTTTGCCACAGGAAGAA 453
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    301 GTGGATGAAAGTGCAAGCTGCCAAGAAAAATGGTAAAGGAAATGTTTGCCACAGGAAGAA 360

Qy    454 ACACCATGGCAAGAGGAACAGTAACAGGGCACATCAGGGGAAACACGAAACATACGGCCA 513
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    361 ACACCATGGCAAGAGGAACAGTAACAGGGCACATCAGGGGAAACACGAAACATACGGCCA 420

Qy    514 TAAAACTCCTTATTAGAGAGTCTACAGATAAATCTACAGAGACAATTCCTCAAGTGGACT 573
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    421 TAAAACTCCTTATTAGAGAGTCTACAGATAAATCTACAGAGACAATTCCTCAAGTGGACT 480

Qy    574 TGGCCATGATTGGTTGT 590
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Db    481 TGGCCATGATTGGTTGT 497
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RESULT 5
US-09-834-794A-6
; Sequence 6, Application US/09834794A
; Publication No. US20030026777A1
; GENERAL INFORMATION:
;  APPLICANT: Lawrence, Papsidero
;  APPLICANT:  Lyn, Dyster
;  APPLICANT:  Jana, Frustaci
;  TITLE OF INVENTION: Detection and Treatment of Breast Cancer
;  FILE REFERENCE: 3380/1I127-US4
;  CURRENT APPLICATION NUMBER: US/09/834,794A
;  CURRENT FILING DATE:  2001-04-13
;  PRIOR APPLICATION NUMBER: 09/146,580
;  PRIOR FILING DATE: 1998-09-03
;  PRIOR APPLICATION NUMBER: 60/071,899
;  PRIOR FILING DATE: 1998-01-20
;  PRIOR APPLICATION NUMBER: 60/092,155
;  PRIOR FILING DATE: 1998-07-09
;  NUMBER OF SEQ ID NOS: 35
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 6
;   LENGTH: 3117
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: unsure
;   LOCATION: (1)..(3117)
;   OTHER INFORMATION: n at any position in the sequence represents a or g or c or t/u
;   NAME/KEY: unsure
;   LOCATION: (1)..(3117)
;   OTHER INFORMATION: y at any position in the sequence represents t/u or c
;   NAME/KEY: unsure
;   LOCATION: (1)..(3117)
;   OTHER INFORMATION: m at any position in the sequence represents a or c
;   NAME/KEY: unsure
;   LOCATION: (1)..(3117)
;   OTHER INFORMATION: k at any position in the sequence represents g or t/u
;   NAME/KEY: unsure
;   LOCATION: (1)..(3117)
;   OTHER INFORMATION: s at any position in the sequence represents g or c
;   NAME/KEY: unsure
;   LOCATION: (1)..(3117)
;   OTHER INFORMATION: w at any position in the sequence represents a or t/u
;   NAME/KEY: unsure
;   LOCATION: (1)..(3117)
;   OTHER INFORMATION: r at any position in the sequence represents g or a
US-09-834-794A-6

  Query Match            15.5%;  Score 313;  DB 9;  Length 3117;
  Best Local Similarity   100.0%;  Pred. No. 8.1e-146;
  Matches  313;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy    697 CTCAAACTCCTGGGCTCAAGCGATCCTCCCACCTTAGCCTCCCAAAGTACTGGGATTATA 756
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   1695 CTCAAACTCCTGGGCTCAAGCGATCCTCCCACCTTAGCCTCCCAAAGTACTGGGATTATA 1754

Qy    757 GGTGTGAGCCACAGTGCCTGGCCTAATTATTTTCTTGTGATCAAATTCAGGTTTAATGTT 816
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   1755 GGTGTGAGCCACAGTGCCTGGCCTAATTATTTTCTTGTGATCAAATTCAGGTTTAATGTT 1814
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Qy     817 TTTGGTTAAGAATTTCCTACGTGAATTCGTGTACTTATTTTGTCATTTAGAGTTCATAAA 876
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    1815 TTTGGTTAAGAATTTCCTACGTGAATTCGTGTACTTATTTTGTCATTTAGAGTTCATAAA 1874

Qy     877 TATTAGGGTTTATTTTCTAAATAGAATAGTTTAAACTAAATATAACTTCAAAACGTCTAG 936
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    1875 TATTAGGGTTTATTTTCTAAATAGAATAGTTTAAACTAAATATAACTTCAAAACGTCTAG 1934

Qy     937 TTTGAGTAGCTACCGTTGTTTGGATTGAAATTTTCTGATACTGAAAAGAACAAAAAGCCT 996
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    1935 TTTGAGTAGCTACCGTTGTTTGGATTGAAATTTTCTGATACTGAAAAGAACAAAAAGCCT 1994

Qy     997 GCCTTTCTGCCCA 1009
           |||||||||||||
Db    1995 GCCTTTCTGCCCA 2007
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RESULT 6
US-09-834-795A-6
; Sequence 6, Application US/09834795A
; Patent No. US20020076710A1
; GENERAL INFORMATION:
; APPLICANT: Lawrence, Papsidero
; APPLICANT: Lyn, Dyster
; APPLICANT: Jana, Frustaci
; TITLE OF INVENTION: Detection and Treatment of Breast Cancer
; FILE REFERENCE: 3380/1I127-US3
; CURRENT APPLICATION NUMBER: US/09/834,795A
; CURRENT FILING DATE: 2001-04-12
; PRIOR APPLICATION NUMBER: 09/146,580
; PRIOR FILING DATE: 1998-09-03
; PRIOR APPLICATION NUMBER: 60/071,899
; PRIOR FILING DATE: 1998-01-20
; PRIOR APPLICATION NUMBER: 60/092,155
; PRIOR FILING DATE: 1998-07-09
; NUMBER OF SEQ ID NOS: 35
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 6
; LENGTH: 3117
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(3117)
; OTHER INFORMATION: n at any position in the sequence represents a or g or c or t/u
; NAME/KEY: unsure
; LOCATION: (1)..(3117)
; OTHER INFORMATION: y at any position in the sequence represents t/u or c
; NAME/KEY: unsure
; LOCATION: (1)..(3117)
; OTHER INFORMATION: m at any position in the sequence represents a or c
; NAME/KEY: unsure
; LOCATION: (1)..(3117)
; OTHER INFORMATION: k at any position in the sequence represents g or t/u
; NAME/KEY: unsure
; LOCATION: (1)..(3117)
; OTHER INFORMATION: s at any position in the sequence represents g or c
; NAME/KEY: unsure
; LOCATION: (1)..(3117)
; OTHER INFORMATION: w at any position in the sequence represents a or t/u
; NAME/KEY: unsure
; LOCATION: (1)..(3117)
; OTHER INFORMATION: r at any position in the sequence represents g or a
US-09-834-795A-6

Query Match 15.5%; Score 313; DB 10; Length 3117;
Best Local Similarity 100.0%; Pred. No. 8.1e-146;
Matches 313; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy     697 CTCAAACTCCTGGGCTCAAGCGATCCTCCCACCTTAGCCTCCCAAAGTACTGGGATTATA 756
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    1695 CTCAAACTCCTGGGCTCAAGCGATCCTCCCACCTTAGCCTCCCAAAGTACTGGGATTATA 1754

Qy     757 GGTGTGAGCCACAGTGCCTGGCCTAATTATTTTCTTGTGATCAAATTCAGGTTTAATGTT 816
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    1755 GGTGTGAGCCACAGTGCCTGGCCTAATTATTTTCTTGTGATCAAATTCAGGTTTAATGTT 1814

Qy     817 TTTGGTTAAGAATTTCCTACGTGAATTCGTGTACTTATTTTGTCATTTAGAGTTCATAAA 876
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    1815 TTTGGTTAAGAATTTCCTACGTGAATTCGTGTACTTATTTTGTCATTTAGAGTTCATAAA 1874

Qy     877 TATTAGGGTTTATTTTCTAAATAGAATAGTTTAAACTAAATATAACTTCAAAACGTCTAG 936
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    1875 TATTAGGGTTTATTTTCTAAATAGAATAGTTTAAACTAAATATAACTTCAAAACGTCTAG 1934

Qy     937 TTTGAGTAGCTACCGTTGTTTGGATTGAAATTTTCTGATACTGAAAAGAACAAAAAGCCT 996
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    1935 TTTGAGTAGCTACCGTTGTTTGGATTGAAATTTTCTGATACTGAAAAGAACAAAAAGCCT 1994

Qy     997 GCCTTTCTGCCCA 1009
           |||||||||||||
Db    1995 GCCTTTCTGCCCA 2007
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RESULT 7
US-09-964-824A-56/c
; Sequence 56, Application US/09964824A
; Patent No. US20020102531A1
; GENERAL INFORMATION:
; APPLICANT: Horrigan, Stephen
; TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using Signatu
; TITLE OF INVENTION: Sets
; FILE REFERENCE: 689290-73
; CURRENT APPLICATION NUMBER: US/09/964,824A
; CURRENT FILING DATE: 2001-09-27
; PRIOR APPLICATION NUMBER: US/60/236,033
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US/60/236,032
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US/60/236,028
; PRIOR FILING DATE: 2000-09-28
; NUMBER OF SEQ ID NOS: 583
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 56
; LENGTH: 472
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(472)
; OTHER INFORMATION: n=a,t,g or c
US-09-964-824A-56

Query Match 12.6%; Score 254; DB 10; Length 472;
Best Local Similarity 100.0%; Pred. No. 1.9e-116;
Matches 254; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy    1753 GCATTTAATTTATTTATTTTCCTGACATTTCTGCAAGCTTTGTATTTATATTTCCACTTT 1812
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     350 GCATTTAATTTATTTATTTTCCTGACATTTCTGCAAGCTTTGTATTTATATTTCCACTTT 291

Qy    1813 ATAGATGAGGAAATTTGAGGCTCTTAGAGGTAAAATGACTTGCCCAGGTCACACAGGAAG 1872
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     290 ATAGATGAGGAAATTTGAGGCTCTTAGAGGTAAAATGACTTGCCCAGGTCACACAGGAAG 231

Qy    1873 TGGCAGAGACAAGCTTTTTAAATAAGAAAAAATTAATAAAATATAATATGAGAGTAACTT 1932
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     230 TGGCAGAGACAAGCTTTTTAAATAAGAAAAAATTAATAAAATATAATATGAGAGTAACTT 171

Qy    1933 AAAATATTAATAAACCACAATTTTAAATTAATTAACCGTGATAACCAACATTAATAAAAG 1992
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     170 AAAATATTAATAAACCACAATTTTAAATTAATTAACCGTGATAACCAACATTAATAAAAG 111

Qy    1993 TTAAGATACCAAAA 2006
           ||||||||||||||
Db     110 TTAAGATACCAAAA 97
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RESULT 8
US-09-834-794A-11/c
; Sequence 11, Application US/09834794A
; Publication No. US20030026777A1
; GENERAL INFORMATION:
;  APPLICANT: Lawrence, Papsidero
;  APPLICANT:  Lyn, Dyster
;  APPLICANT:  Jana, Frustaci
;  TITLE OF INVENTION: Detection and Treatment of Breast Cancer
;  FILE REFERENCE: 3380/1I127-US4
;  CURRENT APPLICATION NUMBER: US/09/834,794A
;  CURRENT FILING DATE:  2001-04-13
;  PRIOR APPLICATION NUMBER: 09/146,580
;  PRIOR FILING DATE: 1998-09-03
;  PRIOR APPLICATION NUMBER: 60/071,899
;  PRIOR FILING DATE: 1998-01-20
;  PRIOR APPLICATION NUMBER: 60/092,155
;  PRIOR FILING DATE: 1998-07-09
;  NUMBER OF SEQ ID NOS: 35
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 11
;   LENGTH: 311
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: unsure
;   LOCATION: (101)..(101)
;   OTHER INFORMATION: n may be a or g or c or t/u
;   NAME/KEY: unsure
;   LOCATION: (162)..(162)
;   OTHER INFORMATION: n may be a or g or c or t/u
US-09-834-794A-11

  Query Match             10.0%;  Score 202;  DB 9;  Length 311;
  Best Local Similarity   99.3%;  Pred. No. 1.6e-90;
  Matches  302;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy     208 AGCCATACTTCCCATTGCCTCCAGCTGTTGCACGGAGGTTTCACATCATATTTCCAGAAG 267
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     311 AGCCATACTTCCCATTGCCTCCAGCTGTTGCACGGAGGTTTCACATCATATTTCCAGAAG 252

Qy     268 GCTCCTGGAAAGAGTGAATATGTGTCGCATCCAGAGAGCTGATGGGGATTGTGACTTGGC 327
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     251 GCTCCTGGAAAGAGTGAATATGTGTCGCATCCAGAGAGCTGATGGGGATTGTGACTTGGC 192

Qy     328 TGCTGTCATCCTTCATGTCAAGCGCAGAAGAATCTGTGTCAGCCCGCACAACCATACTGT 387
           |||||||||||||||||||||||||||| ||||||||||||||||||||||||||||||
Db     191 TGCTGTCATCCTTCATGTCAAGCGCAGAANAATCTGTGTCAGCCCGCACAACCATACTGT 132

Qy     388 TAAGCAGTGGATGAAAGTGCAAGCTGCCAAGAAAAATGGTAAAGGAAATGTTTGCCACAG 447
           |||||||||||||||||||||||||||| ||||||||||||||||||||||||||||||
Db     131 TAAGCAGTGGATGAAAGTGCAAGCTGCCAANAAAAATGGTAAAGGAAATGTTTGCCACAG 72

Qy     448 GAAGAAACACCATGGCAAGAGGAACAGTAACAGGGCACATCAGGGGAAACACGAAACATA 507
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      71 GAAGAAACACCATGGCAAGAGGAACAGTAACAGGGCACATCAGGGGAAACACGAAACATA 12

Qy     508 CGGC 511
           ||||
Db      11 CGGC 8


RESULT 9
US-09-834-795A-11/c
; Sequence 11, Application US/09834795A
; Patent No. US20020076710A1
; GENERAL INFORMATION:
;  APPLICANT: Lawrence, Papsidero
;  APPLICANT:  Lyn, Dyster
;  APPLICANT:  Jana, Frustaci
;  TITLE OF INVENTION: Detection and Treatment of Breast Cancer
;  FILE REFERENCE: 3380/1I127-US3
;  CURRENT APPLICATION NUMBER: US/09/834,795A
;  CURRENT FILING DATE:  2001-04-12
;  PRIOR APPLICATION NUMBER: 09/146,580
;  PRIOR FILING DATE: 1998-09-03
;  PRIOR APPLICATION NUMBER: 60/071,899
;  PRIOR FILING DATE: 1998-01-20
;  PRIOR APPLICATION NUMBER: 60/092,155
;  PRIOR FILING DATE: 1998-07-09
;  NUMBER OF SEQ ID NOS: 35
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 11
;   LENGTH: 311
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: unsure
;   LOCATION: (101)..(101)
;   OTHER INFORMATION: n may be a or g or c or t/u
;   NAME/KEY: unsure
;   LOCATION: (162)..(162)
;   OTHER INFORMATION: n may be a or g or c or t/u
US-09-834-795A-11

  Query Match             10.0%;  Score 202;  DB 10;  Length 311;
  Best Local Similarity   99.3%;  Pred. No. 1.6e-90;
  Matches  302;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy     208 AGCCATACTTCCCATTGCCTCCAGCTGTTGCACGGAGGTTTCACATCATATTTCCAGAAG 267
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     311 AGCCATACTTCCCATTGCCTCCAGCTGTTGCACGGAGGTTTCACATCATATTTCCAGAAG 252

Qy     268 GCTCCTGGAAAGAGTGAATATGTGTCGCATCCAGAGAGCTGATGGGGATTGTGACTTGGC 327
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     251 GCTCCTGGAAAGAGTGAATATGTGTCGCATCCAGAGAGCTGATGGGGATTGTGACTTGGC 192

Qy     328 TGCTGTCATCCTTCATGTCAAGCGCAGAAGAATCTGTGTCAGCCCGCACAACCATACTGT 387
           |||||||||||||||||||||||||||| ||||||||||||||||||||||||||||||
Db     191 TGCTGTCATCCTTCATGTCAAGCGCAGAANAATCTGTGTCAGCCCGCACAACCATACTGT 132

Qy     388 TAAGCAGTGGATGAAAGTGCAAGCTGCCAAGAAAAATGGTAAAGGAAATGTTTGCCACAG 447
           |||||||||||||||||||||||||||| ||||||||||||||||||||||||||||||
Db     131 TAAGCAGTGGATGAAAGTGCAAGCTGCCAANAAAAATGGTAAAGGAAATGTTTGCCACAG 72

Qy     448 GAAGAAACACCATGGCAAGAGGAACAGTAACAGGGCACATCAGGGGAAACACGAAACATA 507
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      71 GAAGAAACACCATGGCAAGAGGAACAGTAACAGGGCACATCAGGGGAAACACGAAACATA 12

Qy     508 CGGC 511
           ||||
Db      11 CGGC 8


RESULT 10
US-09-834-794A-8/c
; Sequence 8, Application US/09834794A
; Publication No. US20030026777A1
; GENERAL INFORMATION:
;  APPLICANT: Lawrence, Papsidero
;  APPLICANT:  Lyn, Dyster
;  APPLICANT:  Jana, Frustaci
;  TITLE OF INVENTION: Detection and Treatment of Breast Cancer
;  FILE REFERENCE: 3380/1I127-US4
;  CURRENT APPLICATION NUMBER: US/09/834,794A
;  CURRENT FILING DATE:  2001-04-13
;  PRIOR APPLICATION NUMBER: 09/146,580
;  PRIOR FILING DATE: 1998-09-03
;  PRIOR APPLICATION NUMBER: 60/071,899
;  PRIOR FILING DATE: 1998-01-20
;  PRIOR APPLICATION NUMBER: 60/092,155
;  PRIOR FILING DATE: 1998-07-09
;  NUMBER OF SEQ ID NOS: 35
;  SOFTWARE: PatentIn version 3.0
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; SEQ ID NO 8
;   LENGTH: 104
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-834-794A-8

  Query Match             5.2%;  Score 104;  DB 9;  Length 104;
  Best Local Similarity   100.0%;  Pred. No. 1.1e-41;
  Matches  104;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy     745 ACTGGGATTATAGGTGTGAGCCACAGTGCCTGGCCTAATTATTTTCTTGTGATCAAATTC 804
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     104 ACTGGGATTATAGGTGTGAGCCACAGTGCCTGGCCTAATTATTTTCTTGTGATCAAATTC 45

Qy     805 AGGTTTAATGTTTTTGGTTAAGAATTTCCTACGTGAATTCGTGT 848
           ||||||||||||||||||||||||||||||||||||||||||||
Db      44 AGGTTTAATGTTTTTGGTTAAGAATTTCCTACGTGAATTCGTGT 1


RESULT 11
US-09-834-794A-35/c
; Sequence 35, Application US/09834794A
; Publication No. US20030026777A1
; GENERAL INFORMATION:
;  APPLICANT: Lawrence, Papsidero
;  APPLICANT:  Lyn, Dyster
;  APPLICANT:  Jana, Frustaci
;  TITLE OF INVENTION: Detection and Treatment of Breast Cancer
;  FILE REFERENCE: 3380/1I127-US4
;  CURRENT APPLICATION NUMBER: US/09/834,794A
;  CURRENT FILING DATE:  2001-04-13
;  PRIOR APPLICATION NUMBER: 09/146,580
;  PRIOR FILING DATE: 1998-09-03
;  PRIOR APPLICATION NUMBER: 60/071,899
;  PRIOR FILING DATE: 1998-01-20
;  PRIOR APPLICATION NUMBER: 60/092,155
;  PRIOR FILING DATE: 1998-07-09
;  NUMBER OF SEQ ID NOS: 35
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 35
;   LENGTH: 104
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-834-794A-35

  Query Match             5.2%;  Score 104;  DB 9;  Length 104;
  Best Local Similarity   100.0%;  Pred. No. 1.1e-41;
  Matches  104;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy     745 ACTGGGATTATAGGTGTGAGCCACAGTGCCTGGCCTAATTATTTTCTTGTGATCAAATTC 804
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     104 ACTGGGATTATAGGTGTGAGCCACAGTGCCTGGCCTAATTATTTTCTTGTGATCAAATTC 45

Qy     805 AGGTTTAATGTTTTTGGTTAAGAATTTCCTACGTGAATTCGTGT 848
           ||||||||||||||||||||||||||||||||||||||||||||
Db      44 AGGTTTAATGTTTTTGGTTAAGAATTTCCTACGTGAATTCGTGT 1


RESULT 12
US-09-834-795A-8/c
; Sequence 8, Application US/09834795A
; Patent No. US20020076710A1
; GENERAL INFORMATION:
;  APPLICANT: Lawrence, Papsidero
;  APPLICANT:  Lyn, Dyster
;  APPLICANT:  Jana, Frustaci
;  TITLE OF INVENTION: Detection and Treatment of Breast Cancer
;  FILE REFERENCE: 3380/1I127-US3
;  CURRENT APPLICATION NUMBER: US/09/834,795A
;  CURRENT FILING DATE:  2001-04-12
;  PRIOR APPLICATION NUMBER: 09/146,580
;  PRIOR FILING DATE: 1998-09-03
;  PRIOR APPLICATION NUMBER: 60/071,899
;  PRIOR FILING DATE: 1998-01-20
;  PRIOR APPLICATION NUMBER: 60/092,155
;  PRIOR FILING DATE: 1998-07-09
;  NUMBER OF SEQ ID NOS: 35
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 8
;   LENGTH: 104
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-834-795A-8

  Query Match             5.2%;  Score 104;  DB 10;  Length 104;
  Best Local Similarity   100.0%;  Pred. No. 1.1e-41;
  Matches  104;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy     745 ACTGGGATTATAGGTGTGAGCCACAGTGCCTGGCCTAATTATTTTCTTGTGATCAAATTC 804
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     104 ACTGGGATTATAGGTGTGAGCCACAGTGCCTGGCCTAATTATTTTCTTGTGATCAAATTC 45

Qy     805 AGGTTTAATGTTTTTGGTTAAGAATTTCCTACGTGAATTCGTGT 848
           ||||||||||||||||||||||||||||||||||||||||||||
Db      44 AGGTTTAATGTTTTTGGTTAAGAATTTCCTACGTGAATTCGTGT 1


RESULT 13
US-09-834-795A-35/c
; Sequence 35, Application US/09834795A
; Patent No. US20020076710A1
; GENERAL INFORMATION:
;  APPLICANT: Lawrence, Papsidero
;  APPLICANT:  Lyn, Dyster
;  APPLICANT:  Jana, Frustaci
;  TITLE OF INVENTION: Detection and Treatment of Breast Cancer
;  FILE REFERENCE: 3380/1I127-US3
;  CURRENT APPLICATION NUMBER: US/09/834,795A
;  CURRENT FILING DATE:  2001-04-12
;  PRIOR APPLICATION NUMBER: 09/146,580
;  PRIOR FILING DATE: 1998-09-03
;  PRIOR APPLICATION NUMBER: 60/071,899
;  PRIOR FILING DATE: 1998-01-20
;  PRIOR APPLICATION NUMBER: 60/092,155
;  PRIOR FILING DATE: 1998-07-09
;  NUMBER OF SEQ ID NOS: 35
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 35
;   LENGTH: 104
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-834-795A-35

  Query Match             5.2%;  Score 104;  DB 10;  Length 104;
  Best Local Similarity   100.0%;  Pred. No. 1.1e-41;
  Matches  104;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy     745 ACTGGGATTATAGGTGTGAGCCACAGTGCCTGGCCTAATTATTTTCTTGTGATCAAATTC 804
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     104 ACTGGGATTATAGGTGTGAGCCACAGTGCCTGGCCTAATTATTTTCTTGTGATCAAATTC 45

Qy     805 AGGTTTAATGTTTTTGGTTAAGAATTTCCTACGTGAATTCGTGT 848
           ||||||||||||||||||||||||||||||||||||||||||||
Db      44 AGGTTTAATGTTTTTGGTTAAGAATTTCCTACGTGAATTCGTGT 1


RESULT 14
US-10-146-496-4
; Sequence 4, Application US/10146496
; Publication No. US20030031646A1
;   GENERAL INFORMATION:
;        APPLICANT: Vicari, Alain
;                   Morales, Janine M.
;                   Hedrick, Joseph A.
;                   Zlotnik, Albert
;        TITLE OF INVENTION: Mammalian Chemokines
```

```
;       NUMBER OF SEQUENCES: 12
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE: DNAX Research Institute
;            STREET: 901 California Avenue
;            CITY: Palo Alto
;            STATE: California
;            COUNTRY: USA
;            ZIP: 94304-1104
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: Floppy disk
;            COMPUTER: IBM PC compatible
;            OPERATING SYSTEM: PC-DOS/MS-DOS
;            SOFTWARE: PatentIn Release #1.0, Version #1.30
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER: US/10/146,496
;            FILING DATE: 15-May-2002
;            CLASSIFICATION: <Unknown>
;       PRIOR APPLICATION DATA:
;            APPLICATION NUMBER: US/08/978,964A
;            FILING DATE: 26-NOV-1997
;            APPLICATION NUMBER: US xx/xxx,xxx
;            FILING DATE: 24-OCT-1997
;       ATTORNEY/AGENT INFORMATION:
;            NAME: Ching, Edwin P.
;            REGISTRATION NUMBER: 34,090
;            REFERENCE/DOCKET NUMBER: DX0684K1
;       TELECOMMUNICATION INFORMATION:
;            TELEPHONE: (650)852-9196
;            TELEFAX: (650)496-1204
;   INFORMATION FOR SEQ ID NO: 4:
;       SEQUENCE CHARACTERISTICS:
;            LENGTH: 445 base pairs
;            TYPE: nucleic acid
;            STRANDEDNESS: single
;            TOPOLOGY: linear
;       MOLECULE TYPE: cDNA
;       SEQUENCE DESCRIPTION: SEQ ID NO: 4:
US-10-146-496-4

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  Matches   91;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy    276 AAAGAGTGAATATGTGTCGCATCCAGAGAGCTGATGGGGATTGTGACTTGGCTGCTGTCA 335
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    154 AAAGAGTGAATATGTGTCGCATCCAGAGAGCTGATGGGGATTGTGACTTGGCTGCTGTCA 213

Qy    336 TCCTTCATGTCAAGCGCAGAAGAATCTGTGT 366
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Db    214 TCCTTCATGTCAAGCGCAGAAGAATCTGTGT 244


RESULT 15
US-10-146-496-3
; Sequence 3, Application US/10146496
; Publication No. US20030031646A1
;   GENERAL INFORMATION:
;       APPLICANT: Vicari, Alain
;                  Morales, Janine M.
;                  Hedrick, Joseph A.
;                  Zlotnik, Albert
;       TITLE OF INVENTION: Mammalian Chemokines
;       NUMBER OF SEQUENCES: 12
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE: DNAX Research Institute
;            STREET: 901 California Avenue
;            CITY: Palo Alto
;            STATE: California
;            COUNTRY: USA
;            ZIP: 94304-1104
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: Floppy disk
;            COMPUTER: IBM PC compatible
;            OPERATING SYSTEM: PC-DOS/MS-DOS
;            SOFTWARE: PatentIn Release #1.0, Version #1.30
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER: US/10/146,496
;            FILING DATE: 15-May-2002
;            CLASSIFICATION: <Unknown>
;       PRIOR APPLICATION DATA:
;            APPLICATION NUMBER: US/08/978,964A
;            FILING DATE: 26-NOV-1997
;            APPLICATION NUMBER: US xx/xxx,xxx
;            FILING DATE: 24-OCT-1997
;       ATTORNEY/AGENT INFORMATION:
;            NAME: Ching, Edwin P.
;            REGISTRATION NUMBER: 34,090
;            REFERENCE/DOCKET NUMBER: DX0684K1
;       TELECOMMUNICATION INFORMATION:
;            TELEPHONE: (650)852-9196
;            TELEFAX: (650)496-1204
;   INFORMATION FOR SEQ ID NO: 3:
;       SEQUENCE CHARACTERISTICS:
;            LENGTH: 496 base pairs
;            TYPE: nucleic acid
;            STRANDEDNESS: single
;            TOPOLOGY: linear
;       MOLECULE TYPE: cDNA
;       SEQUENCE DESCRIPTION: SEQ ID NO: 3:
US-10-146-496-3

  Query Match             3.4%;  Score 69;  DB 9;  Length 496;
  Best Local Similarity   100.0%;  Pred. No. 3.6e-24;
  Matches   69;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy    207 AAGCCATACTTCCCATTGCCTCCAGCTGTTGCACGGAGGTTTCACATCATATTTCCAGAA 266
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    117 AAGCCATACTTCCCATTGCCTCCAGCTGTTGCACGGAGGTTTCACATCATATTTCCAGAA 176

Qy    267 GGCTCCTGG 275
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Db    177 GGCTCCTGG 185


Search completed: April 1, 2003, 06:30:31
Job time : 1863 secs
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GenCore version 5.1.4_p5_4578

OM nucleic - nucleic search, using sw model

Run on: March 31, 2003, 23:49:07 ; Search time 118 Seconds
(without alignments)
5242.093 Million cell updates/sec

Title: US-09-813-492-1
Perfect score: 2017
Sequence: 1 tagataccctgaacacctcc.....ataccaaaaaaaaaaaaaaa 2017

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 441362 seqs, 153338381 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_NA:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

	Result No.	Score	% Query Match	Length	DB	ID	Description
	1	1035.2	51.3	3117	4	US-09-146-580-6	Sequence 6, Appli
	2	379	18.8	381	4	US-09-146-580-7	Sequence 7, Appli
c	3	302	15.0	311	4	US-09-146-580-11	Sequence 11, Appl
c	4	230	11.4	35060	3	US-08-814-095-7	Sequence 7, Appli
	5	224	11.1	42571	4	US-09-810-347-3	Sequence 3, Appli
c	6	220.2	10.9	685	4	US-09-183-266A-16	Sequence 16, Appl
	7	218.2	10.8	2839	4	US-09-061-702-1	Sequence 1, Appli
c	8	217.4	10.8	98844	4	US-09-791-211-10	Sequence 10, Appl
	9	217	10.8	8453	4	US-09-167-681-45	Sequence 45, Appl
	10	216.4	10.7	631	4	US-09-385-982-354	Sequence 354, App
	11	213.2	10.6	1701	4	US-09-078-294-9	Sequence 9, Appli
c	12	212.8	10.6	87350	3	US-08-781-891-79	Sequence 79, Appl
c	13	212.8	10.6	87543	4	US-09-791-211-3	Sequence 3, Appli
	14	212.6	10.5	461	4	US-09-404-879A-1	Sequence 1, Appli
	15	212.6	10.5	461	4	US-09-404-879A-3	Sequence 3, Appli
	16	212.6	10.5	32042	4	US-09-245-281-44	Sequence 44, Appl
c	17	212.2	10.5	841	5	PCT-US93-06251-80	Sequence 80, Appl
c	18	212.2	10.5	841	5	PCT-US93-06251-81	Sequence 81, Appl
	19	212.2	10.5	14581	4	US-08-520-373D-4	Sequence 4, Appli
	20	212.2	10.5	22481	4	US-08-367-841A-43	Sequence 43, Appl
	*21	212.2	10.5	22481	5	PCT-US95-07201-43	Sequence 43, Appl
	22	212.2	10.5	22484	4	US-09-875-223-2	Sequence 2, Appli
	23	212.2	10.5	162450	4	US-09-345-882-1	Sequence 1, Appli
c	24	212	10.5	29629	4	US-09-729-995-3	Sequence 3, Appli
c	25	212	10.5	99500	4	US-09-798-096-10	Sequence 10, Appl
	*26	211.8	10.5	62804	4	US-09-800-960-3	Sequence 3, Appli
	27	211.8	10.5	112132	4	US-09-741-150-3	Sequence 3, Appli
c	28	211.6	10.5	282	1	US-08-133-629-8	Sequence 8, Appli
c	29	211.2	10.5	17327	1	US-07-906-871-15	Sequence 15, Appl
c	30	211	10.5	8453	4	US-09-167-681-45	Sequence 45, Appl
	31	211	10.5	70000	4	US-09-851-896-3	Sequence 3, Appli
	32	210.8	10.5	10380	4	US-09-077-354B-3	Sequence 3, Appli
	33	210.8	10.5	45716	4	US-08-965-048-5	Sequence 5, Appli
	34	210.8	10.5	45989	4	US-08-965-048-6	Sequence 6, Appli
	35	210.6	10.4	15977	4	US-09-608-285A-59	Sequence 59, Appl
	36	210.4	10.4	6769	1	US-08-480-784-20	Sequence 20, Appl
	37	210.4	10.4	6769	1	US-08-483-553-20	Sequence 20, Appl
	38	210.4	10.4	6769	1	US-08-487-002-20	Sequence 20, Appl
	39	210.4	10.4	6769	1	US-08-483-554B-20	Sequence 20, Appl
	40	210.4	10.4	6769	1	US-08-488-011B-20	Sequence 20, Appl
	41	210.4	10.4	6769	4	US-08-850-727-20	Sequence 20, Appl
	42	210.4	10.4	6769	5	PCT-US95-10202-20	Sequence 20, Appl
	43	210.4	10.4	6769	5	PCT-US95-10203-20	Sequence 20, Appl
	44	210.4	10.4	6769	5	PCT-US95-10220-20	Sequence 20, Appl
	45	210	10.4	53526	3	US-08-658-136-2	Sequence 2, Appli

ALIGNMENTS

RESULT 1
US-09-146-580-6
; Sequence 6, Application US/09146580A
; Patent No. 6306653
; GENERAL INFORMATION:
; APPLICANT: Papsidero, Lawrence D
; APPLICANT: Dyster, Lyn M
; APPLICANT: Frustaci, Jana M
; TITLE OF INVENTION: DETECTION AND TREATMENT OF BREAST DISEASE
; FILE REFERENCE: 200755/1002
; CURRENT APPLICATION NUMBER: US/09/146,580A
; CURRENT FILING DATE: 1998-09-03
; EARLIER APPLICATION NUMBER: 60/071,889
; EARLIER FILING DATE: 1998-01-20
; EARLIER APPLICATION NUMBER: 60/092,155
; EARLIER FILING DATE: 1998-07-09
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
; LENGTH: 3117
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (35)
; OTHER INFORMATION: N at any position in this sequence is A, C, G, or
; OTHER INFORMATION: T
US-09-146-580-6

Query Match 51.3%; Score 1035.2; DB 4; Length 3117;
Best Local Similarity 86.5%; Pred. No. 1.9e-222;
Matches 1172; Conservative 73; Mismatches 92; Indels 18; Gaps 15;

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Qy    671 GGTATGCAAATGTAGCCAATAATATACTCAAACTCCTGGGCTCAAGCGATCCTCCCACCT 730
          |||  |    |||| |||  |   |   ||||||||||||||||||||||||||||||||
Db   1669 GGTCTCACTATGTTGCCCAGGTTGATCTCAAACTCCTGGGCTCAAGCGATCCTCCCACCT 1728

Qy    731 TAGCCTCCCAAAGTACTGGGATTATAGGTGTGAGCCACAGTGCCTGGCCTAATTATTTTC 790
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   1729 TAGCCTCCCAAAGTACTGGGATTATAGGTGTGAGCCACAGTGCCTGGCCTAATTATTTTC 1788

Qy    791 TTGTGATCAAATTCAGGTTTAATGTTTTTGGTTAAGAATTTCCTACGTGAATTCGTGTAC 850
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   1789 TTGTGATCAAATTCAGGTTTAATGTTTTTGGTTAAGAATTTCCTACGTGAATTCGTGTAC 1848

Qy    851 TTATTTTGTCATTTAGAGTTCATAAATATTAGGGTTTATTTTCTAAATAGAATAGTTTAA 910
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   1849 TTATTTTGTCATTTAGAGTTCATAAATATTAGGGTTTATTTTCTAAATAGAATAGTTTAA 1908

Qy    911 ACTAAATATAACTTCAAAACGTCTAGTTTGAGTAGCTACCGTTGTTTGGATTGAAATTTT 970
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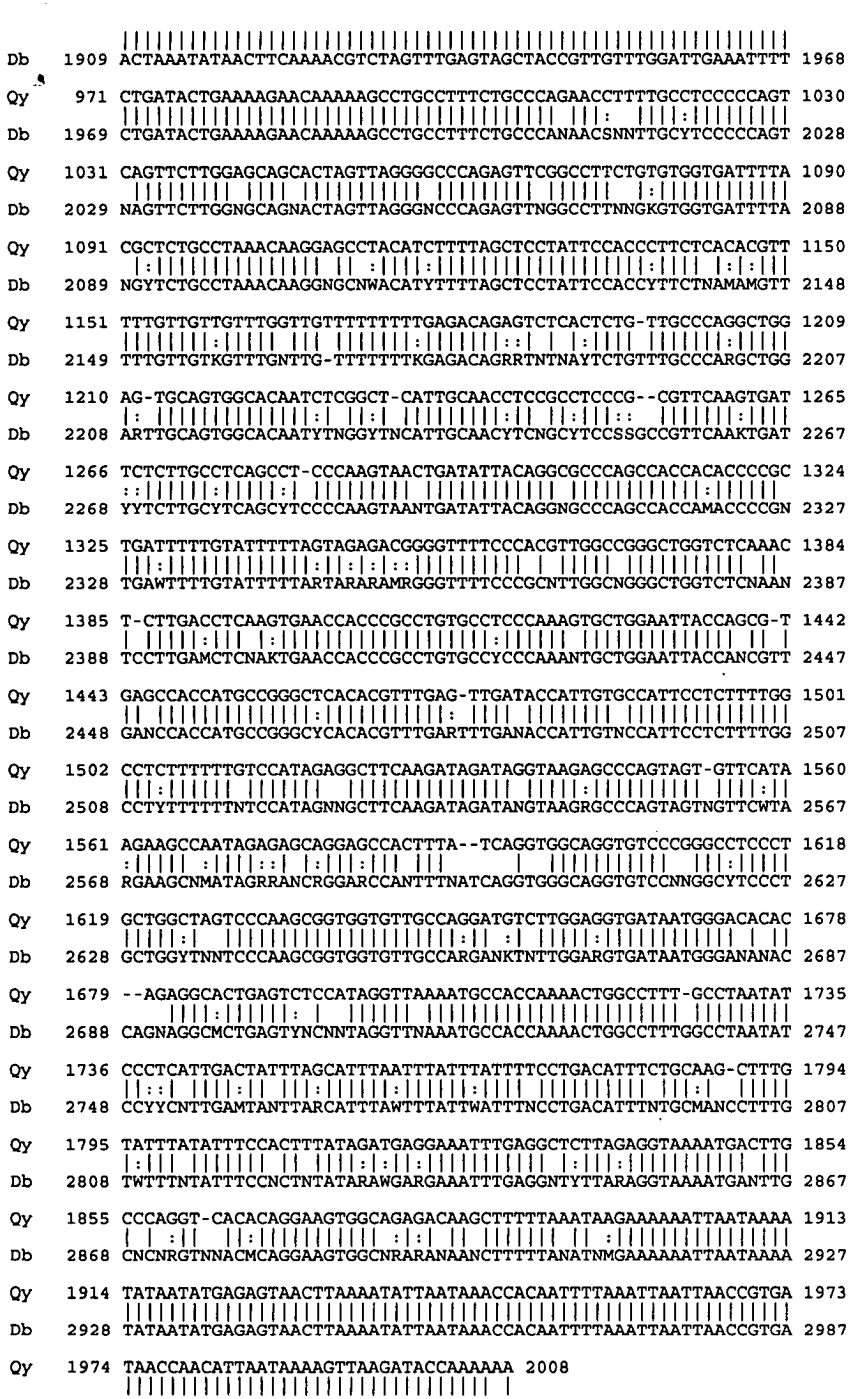
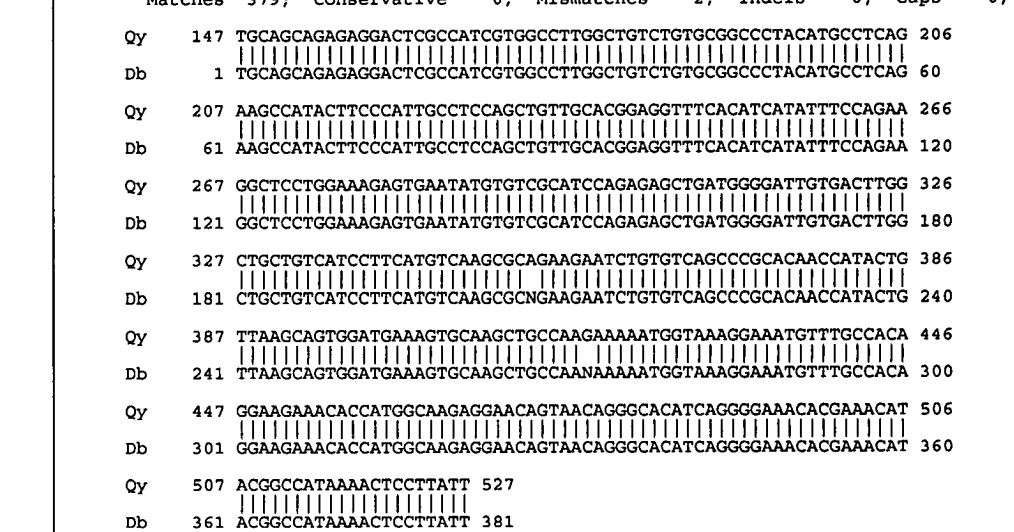


Db 2988 TAACCAACATTAATAAAAGTTAAGATACCAAAACA 3022

RESULT 2
US-09-146-580-7
; Sequence 7, Application US/09146580A
; Patent No. 6306653
; GENERAL INFORMATION:
; APPLICANT: Papsidero, Lawrence D
; APPLICANT: Dyster, Lyn M
; APPLICANT: Frustaci, Jana M
; TITLE OF INVENTION: DETECTION AND TREATMENT OF BREAST DISEASE
; FILE REFERENCE: 200755/1002
; CURRENT APPLICATION NUMBER: US/09/146,580A
; CURRENT FILING DATE: 1998-09-03
; EARLIER APPLICATION NUMBER: 60/071,889
; EARLIER FILING DATE: 1998-01-20
; EARLIER APPLICATION NUMBER: 60/092,155
; EARLIER FILING DATE: 1998-07-09
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 7
; LENGTH: 381
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (207)
; OTHER INFORMATION: N at position 207 is either A, C, G, or T
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (272)
; OTHER INFORMATION: N at position 272 is either A, C, G, or T
US-09-146-580-7

Query Match 18.8%; Score 379; DB 4; Length 381;
Best Local Similarity 99.5%; Pred. No. 4.6e-76;
Matches 379; Conservative 0; Mismatches 2; Indels 0; Gaps 0;



RESULT 3
US-09-146-580-11/c
; Sequence 11, Application US/09146580A
; Patent No. 6306653
; GENERAL INFORMATION:

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;  APPLICANT: Papsidero, Lawrence D
;  APPLICANT: Dyster, Lyn M
;  APPLICANT: Frustaci, Jana M
;  TITLE OF INVENTION: DETECTION AND TREATMENT OF BREAST DISEASE
;  FILE REFERENCE: 200755/1002
;  CURRENT APPLICATION NUMBER: US/09/146,580A
;  CURRENT FILING DATE: 1998-09-03
;  EARLIER APPLICATION NUMBER: 60/071,889
;  EARLIER FILING DATE: 1998-01-20
;  EARLIER APPLICATION NUMBER: 60/092,155
;  EARLIER FILING DATE: 1998-07-09
;  NUMBER OF SEQ ID NOS: 18
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 11
;   LENGTH: 311
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: unsure
;   LOCATION: (101)
;   OTHER INFORMATION: N at position 101 is either A, C, G, or T
;   FEATURE:
;   NAME/KEY: unsure
;   LOCATION: (162)
;   OTHER INFORMATION: N at position 162 is either A, C, G, or T
US-09-146-580-11

  Query Match             15.0%;  Score 302;  DB 4;  Length 311;
  Best Local Similarity   99.3%;  Pred. No. 7.1e-59;
  Matches  302;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy     208 AGCCATACTTCCCATTGCCTCCAGCTGTTGCACGGAGGTTTCACATCATATTTCCAGAAG 267
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     311 AGCCATACTTCCCATTGCCTCCAGCTGTTGCACGGAGGTTTCACATCATATTTCCAGAAG 252

Qy     268 GCTCCTGGAAAGAGTGAATATGTGTCGCATCCAGAGAGCTGATGGGGATTGTGACTTGGC 327
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Db     251 GCTCCTGGAAAGAGTGAATATGTGTCGCATCCAGAGAGCTGATGGGGATTGTGACTTGGC 192

Qy     328 TGCTGTCATCCTTCATGTCAAGCGCAGAAGAATCTGTGTCAGCCCGCACAACCATACTGT 387
           |||||||||||||||||||||||||| ||||||||||||||||||||||||||||||||
Db     191 TGCTGTCATCCTTCATGTCAAGCGCAGAANAATCTGTGTCAGCCCGCACAACCATACTGT 132

Qy     388 TAAGCAGTGGATGAAAGTGCAAGCTGCCAAGAAAAAATGGTAAAGGAAATGTTTGCCACAG 447
           |||||||||||||||||||||||||||| ||||||||||||||||||||||||||||||
Db     131 TAAGCAGTGGATGAAAGTGCAAGCTGCCAANAAAAAATGGTAAAGGAAATGTTTGCCACAG 72

Qy     448 GAAGAAACACCATGGCAAGAGGAACAGTAACAGGGCACATCAGGGGAAACACGAAACATA 507
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      71 GAAGAAACACCATGGCAAGAGGAACAGTAACAGGGCACATCAGGGGAAACACGAAACATA 12

Qy     508 CGGC 511
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Db      11 CGGC 8


RESULT 4
US-08-814-095-7/c
; Sequence 7, Application US/08814095
; Patent No. 6025183
;  GENERAL INFORMATION:
;    APPLICANT:  Soreq, Hermona
;    APPLICANT:  Zakut, Haim
;    APPLICANT:  Shani, Moshe
;    TITLE OF INVENTION:  TRANSGENIC ANIMAL ASSAY SYSTEM FOR
;    TITLE OF INVENTION:  ANTI-CHOLINESTERASE SUBSTNACES
;  • NUMBER OF SEQUENCES:  7
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  KOHN & ASSOCIATES
;      STREET:  30500 No. 6025183thwestern Highway, Suite 410
;      CITY:  Farmington Hills
;    •  STATE:  Michigan
;      COUNTRY:  U.S.
;      ZIP:  48334
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/814,095
;      FILING DATE:
;      CLASSIFICATION:  800
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Montgomery, Ilene N.
;      REGISTRATION NUMBER:  38,972
;      REFERENCE/DOCKET NUMBER:  2391.00066
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (248) 539-5050
;      TELEFAX:  (248) 539-5055
;  INFORMATION FOR SEQ ID NO:  7:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  35060 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  double
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  other nucleic acid
;      DESCRIPTION:  /desc = "Cosmid including ACHE
;      DESCRIPTION:  promotor, ACHE gene and ARS gene"
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    ORIGINAL SOURCE:
;      ORGANISM:  Homo sapiens
;    POSITION IN GENOME:
;      CHROMOSOME/SEGMENT:  7q22
;    FEATURE:
;      NAME/KEY:  promoter
;      LOCATION:  4089..22464
;      OTHER INFORMATION:  /function= "ACHE Promotor"
;      OTHER INFORMATION:  /standard_name= "ACHE Promotor"
;    FEATURE:
;      NAME/KEY:  exon
;      LOCATION:  22465..22537
;      OTHER INFORMATION:  /function= "non-translated"
;      OTHER INFORMATION:  /gene= "ACHE"
;      OTHER INFORMATION:  /number= 1
;    FEATURE:
;      NAME/KEY:  exon
;      LOCATION:  24090..25177
;      IDENTIFICATION METHOD:  experimental
;      OTHER INFORMATION:  /function= "(translation start:
;      OTHER INFORMATION:  24110)"
;      OTHER INFORMATION:  /evidence= EXPERIMENTAL
;      OTHER INFORMATION:  /gene= "ACHE"
;      OTHER INFORMATION:  /number= 2
;    FEATURE:
;      NAME/KEY:  exon
;      LOCATION:  25524..26009
;      IDENTIFICATION METHOD:  experimental
;      OTHER INFORMATION:  /evidence= EXPERIMENTAL
;      OTHER INFORMATION:  /gene= "ACHE"
;      OTHER INFORMATION:  /number= 3
;    FEATURE:
;      NAME/KEY:  exon
;      LOCATION:  27005..27274
;      IDENTIFICATION METHOD:  experimental
;      OTHER INFORMATION:  /evidence= EXPERIMENTAL
;      OTHER INFORMATION:  /gene= "ACHE"
;      OTHER INFORMATION:  /number= 4
;    FEATURE:
;      NAME/KEY:  exon
;      LOCATION:  27255..28007
;      IDENTIFICATION METHOD:  experimental
;      OTHER INFORMATION:  /evidence= EXPERIMENTAL
;      OTHER INFORMATION:  /gene= "ACHE"
;      OTHER INFORMATION:  /number= 5
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;     FEATURE:
;       NAME/KEY:  terminator
;       LOCATION:  27385..27387
;     FEATURE:
;       NAME/KEY:  exon
;       LOCATION:  28008..28129
;       IDENTIFICATION METHOD:  experimental
;       OTHER INFORMATION:  /evidence= EXPERIMENTAL
;       OTHER INFORMATION:  /gene= "ACHE"
;       OTHER INFORMATION:  /number= 6
;     FEATURE:
;       NAME/KEY:  terminator
;       LOCATION:  28129..28131
;     FEATURE:
;       NAME/KEY:  exon
;       LOCATION:  complement (34528..34895)
;       OTHER INFORMATION:  /function= "arsenite resistance
;       OTHER INFORMATION:  gene"
;       OTHER INFORMATION:  /gene= "AR"
;       OTHER INFORMATION:  /number= 1
;     FEATURE:
;       NAME/KEY:  exon
;       LOCATION:  complement (34092..34358)
;       OTHER INFORMATION:  /gene= "AR"
;       OTHER INFORMATION:  /number= 2
;     FEATURE:
;       NAME/KEY:  exon
;       LOCATION:  complement (33779..33963)
;       OTHER INFORMATION:  /gene= "AR"
;       OTHER INFORMATION:  /number= 3
;     FEATURE:
;       NAME/KEY:  exon
;       LOCATION:  complement (33493..33591)
;       OTHER INFORMATION:  /gene= "AR"
;       OTHER INFORMATION:  /number= 4
;     FEATURE:
;       NAME/KEY:  exon
;       LOCATION:  complement (33297..33408)
;       OTHER INFORMATION:  /gene= "AR"
;       OTHER INFORMATION:  /number= 5
;     FEATURE:
;       NAME/KEY:  exon
;       LOCATION:  complement (32959..33094)
;       OTHER INFORMATION:  /gene= "AR"
;       OTHER INFORMATION:  /number= 6
;     FEATURE:
;       NAME/KEY:  exon
;       LOCATION:  complement (32569..32628)
;       OTHER INFORMATION:  /gene= "AR"
;       OTHER INFORMATION:  /number= 7
;     FEATURE:
;       NAME/KEY:  exon
;       LOCATION:  complement (32386..32468)
;       OTHER INFORMATION:  /gene= "AR"
;       OTHER INFORMATION:  /number= 8
;     FEATURE:
;       NAME/KEY:  exon
;       LOCATION:  complement (31894..32080)
;       OTHER INFORMATION:  /gene= "AR"
;       OTHER INFORMATION:  /number= 9
;     FEATURE:
;       NAME/KEY:  exon
;       LOCATION:  complement (31363..31534)
;       OTHER INFORMATION:  /gene= "AR"
;       OTHER INFORMATION:  /number= 10
;     FEATURE:
;       NAME/KEY:  exon
;       LOCATION:  complement (31131..31284)
;       OTHER INFORMATION:  /gene= "AR"
;       OTHER INFORMATION:  /number= 11
;     FEATURE:
;       NAME/KEY:  exon
;       LOCATION:  complement (30816..31011)
;       OTHER INFORMATION:  /gene= "AR"
;       OTHER INFORMATION:  /number= 12
;     FEATURE:
;       NAME/KEY:  exon
;       LOCATION:  complement (30470..30626)
;       OTHER INFORMATION:  /gene= "AR"
;       OTHER INFORMATION:  /number= 13
;     FEATURE:
;       NAME/KEY:  exon
;       LOCATION:  complement (30187..30274)
;       OTHER INFORMATION:  /gene= "AR"
;       OTHER INFORMATION:  /number= 14
;     FEATURE:
;       NAME/KEY:  exon
;       LOCATION:  complement (29945..30073)
;       OTHER INFORMATION:  /gene= "AR"
;       OTHER INFORMATION:  /number= 15
;     FEATURE:
;       NAME/KEY:  exon
;       LOCATION:  complement (29664..29856)
;       OTHER INFORMATION:  /gene= "ARS"
;       OTHER INFORMATION:  /number= 16
US-08-814-095-7

  Query Match             11.4%;  Score 230;  DB 3;  Length 35060;
  Best Local Similarity   57.7%;  Pred. No. 3.2e-42;
  Matches  486;  Conservative    0;  Mismatches  350;  Indels    6;  Gaps    4;

Qy     669 GCGGTATGCAAATGTAGCCAATAATATACTCAAACTCCTGGGCTCAAGCGATCCTCCCAC 728
           | ||| |    |||| ||| |    |   ||| ||||| || |||||||| |||  ||| |
Db    8199 GGGGTCTTGCTATGTTGCCCAGGCTGGTCTCGAACTCGTGAGCTCAAGCAATCTGCCCGC 8140

Qy     729 CTTAGCCTCCCAAAGTACTGGGATTATAGGTGTGAGCCACAGTGCCTGGCCTAATTATTT 788
           || |||||||||||||| ||||||||| ||  ||||||||| ||| |||| |||  | |||
Db    8139 CTCAGCCTCCCAAAGTGCTGGGATTACAGAAGTGAGCCACTGTGTCTGGTCTACGTTTTT 8080

Qy     789 TCTTGTGATCAAATTCAGGTTTAATGTTTTTGGTTAAGAATTTCCTACGTGAATTCGTGT 848
             ||   ||  |           ||||   |   ||||  |   |       |     | ||
Db    8079 ATTTTAAATTGAGCATTAAGGGAATGCAGTCTTTTAATCAGAACTCTGCCAATGCTTTTT 8020

Qy     849 ACTTATTTTGTCATTTAGAGTTCATAAATATTAGGGTTTATTTTCTAAATAGAATAGTTT 908
           |  ||  |    |||   | ||      | |  |   || || ||| || | ||
Db    8019 ATCTAGATGCCTATTGCCACTTTTGTCTTCTATGAAATTTTTGTCTCAAGAAAAGCAGGA 7960

Qy     909 AAACTAAATATAACTTCAAAACGTCTAGTTTGAGTAGCTACCGTTGTTTGGATTGAAATT 968
             ||    | |  | | || |  |  |||| | | |  |     |  |    |  ||||
Db    7959 TTACATTTTTTTTCCTTAACAGATTGAGTTGGTG-ATGTGTATTCTTGGTTACCAAAATG 7901

Qy     969 TTCTGATACTGAAAAGAACAAAAAGCCTGCCTTTCTGCCCAGAACCTTTTGCCTCCCCCA 1028
           ||  |||      | |      || |  |   | |    |  ||  | |        |  |
Db    7900 CTCACATAGCTTTAGGTTTTGAATGGGTAAATAT---TCATGATGCGTGAAAAAGCATAA 7844

Qy    1029 GTCAGTTCTTGGAGCAGCACTAGTTAGGGGCCCAGAGTTCGGCCTTCTGTGTGGTGATTT 1088
             |   |  ||       || |  | | |       |||| |||| |     ||    |
Db    7843 TACGTATTGTGTGATCTCAGTCCTATGAGATTGGATGTTCTGCCTACACCCAGGACCCTA 7784

Qy    1089 TACGCTCTGCCTAAA-CAAGGAGCCTACATCTTTTAGCTCCTATTCCACCCTTCTCACAC 1147
             | |   || | |     |  | ||     || | |     ||       | ||  |
Db    7783 GAAGGAATGTCAAGCTGTAAAATGCTGGTGATTGTGGAGGACTTTGTTTTTTGCTTCCTG 7724

Qy    1148 GTTTTTGTTGTTGTTTGGTTGTTTTTTTTTGAGACAGAGTCTCACTCTGTTGCCCAGGCT 1207
             ||||   | |  |||  || |||||||||| || | ||||||||||||||  ||||||||
Db    7723 TTTTTCAATTTCCTTTTTTTTTTTTTTTTTTAGGCGGAGTCTCACTCTGTCACCCAGGCT 7664

Qy    1208 GGAGTGCAGTGGCACAATCTCGGCTCATTGCAACCTCCGCCTCCCGCGTTCAAGTGATTC 1267
           | ||||||  || | ||  ||| ||||||  ||||||||||||||||  | | |||||  |||||
Db    7663 GAAGTGCAATGACGCAGTCTTGGCTCACTGCAACCTCCGCCTCTTGAGCTCAAGCGATTC 7604

Qy    1268 TCTTGCCTCAGCCTCCCAAGTAACTGATATTACAGGCGCCCAGCCACCACACCCCGCTGA 1327
           || ||||||||||||  | || |||  |||||||||  |  ||||||||||||  ||| |
Db    7603 TCCTGCCTCAGCCTCCTGAATAGCTGGGATTACAGGC-ACATGCCACCACACCCGGCTAA 7545

Qy    1328 TTTTTGTATTTTTAGTAGAGACGGGGTTTTCCCACGTTGGCCGGGCTGGTCTCAAACTCT 1387
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          |||||||| |||||||||||| | |||||  ||| || |||| |||||||||  || ||
Db   7544 TTTTTGTAATTTTAGTAGAGATGAGGTTTCACCATGTGGGCCAGGCTGGTCTTGAATTCC 7485

Qy   1388 TGACCTCAAGTGAACCACCCGCCTGTGCCTCCCAAAGTGCTGGAATTACCAGCGTGAGCC 1447
          |||| ||| |||| |||||||||| ||||||||||||||  |||||  || ||||||
Db   7484 TGACTTCAGGTGATCCACCCGCCTCGGCCTCCCAAAGTGCTATGATTACAGGCATGAGCC 7425

Qy   1448 ACCATGCCGGGCTCACACGTTTGAGTTGATACCATTGTGCCATTCCTCTTTTGGCCTCTT 1507
          ||  |||| |||  |    ||  |  | ||   ||| |   |    ||      |||||
Db   7424 ACTGTGCCCGGCCTATTTCTTCTATCTAATTGTATTTTTGTAGCTATCAACCAACCTCTC 7365

Qy   1508 TT 1509
          ||
Db   7364 TT 7363


RESULT 5
US-09-810-347-3
; Sequence 3, Application US/09810347
; Patent No. 6461847
; GENERAL INFORMATION:
;  APPLICANT: YE, Jane et al.
;  TITLE OF INVENTION: ISOLATED HUMAN ENZYME PROTEINS, NUCLEIC
;  TITLE OF INVENTION:  ACID MOLECULES ENCODING HUMAN ENZYME PROTEINS, AND USES
;  TITLE OF INVENTION:  THEREOF
;  FILE REFERENCE: CL001169
;  CURRENT APPLICATION NUMBER: US/09/810,347
;  CURRENT FILING DATE:  2001-03-19
;  NUMBER OF SEQ ID NOS: 6
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 3
;   LENGTH: 42571
;   TYPE: DNA
;   ORGANISM: Human
US-09-810-347-3

  Query Match             11.1%;  Score 224;  DB 4;  Length 42571;
  Best Local Similarity   83.9%;  Pred. No. 7.4e-41;
  Matches  265;  Conservative    0;  Mismatches   50;  Indels    1;  Gaps    1;

Qy   1149 TTTTTGTTGTTGTTTGGTTGTTTTTTTTTGAGACAGAGTCTCACTCTGTTGCCCAGGCTG 1208
          || || ||  |  || || ||  |||||||||| |||||||| ||||||| |||||||||
Db  36514 TTGTTTTTTGTTGTTAGTGGTGGTTTTTTGAGATAGAGTCTCGCTCTGTTACCCAGGCTG 36573

Qy   1209 GAGTGCAGTGGCACAATCTCGGCTCATTGCAACCTCCGCCTCCCGCGTTCAAGTGATTCT 1268
          |||||||||||| |||||||||||| |||| ||||| |||| |  ||||||  ||||||
Db  36574 GAGTGCAGTGGCGCAATCTCGGCTCACTGCACCCTCCACCTCTCTGGTTCAAAAGATTCT 36633

Qy   1269 CTTGCCTCAGCCTCCCAAGTAACTGATATTACAGGCGCCCAGCCACCACACCCCGCTGAT 1328
          | ||||||||||||  |||| |||  |||||||||||| |||||||  ||| ||| ||
Db  36634 CCTGCCTCAGCCTCCTGAGTAGCTGGGATTACAGGCGCCC-GCCACCATGCCCAGCTAAT 36692

Qy   1329 TTTTGTATTTTTAGTAGAGACGGGGTTTTCCCACGTTGGCCGGGCTGGTCTCAAACTCTT 1388
          |||||||||||||||||||||||||||| |||| ||||||| |||||||||| ||||| |
Db  36693 TTTTGTATTTTTAGTAGAGACGGGGTTTCCCCATGTTGGCCAGGCTGGTCTCGAACTCCT 36752

Qy   1389 GACCTCAAGTGAACCACCCGCCTGTGCCTCCCAAAGTGCTGGAATTACCAGCGTGAGCCA 1448
          ||||||| ||||  |||||||||| |||| ||||| |||||| |||||  ||||||||||
Db  36753 GACCTCAGGTGATTCACCCGCCTGGGCCTTCCAAAATGCTGGGATTACAGGCGTGAGCCA 36812

Qy   1449 CCATGCCGGGCTCACA 1464
          ||||| | ||| || |
Db  36813 CCATGGCTGGCCCAAA 36828


RESULT 6
US-09-183-266A-16/c
; Sequence 16, Application US/09183266A
; Patent No. 6361954
; GENERAL INFORMATION:
;  APPLICANT: Stillman, Bruce
;  APPLICANT:  Williams, R. Sanders
;  APPLICANT:  Mendez, Juan
;  TITLE OF INVENTION: DNA REPLICATION-REGULATING GENES,
;  TITLE OF INVENTION:  ANTIBODIES THERETO AND DIAGNOSTIC APPLICATIONS THEREOF
;  FILE REFERENCE: CSHL96-01A3
;  CURRENT APPLICATION NUMBER: US/09/183,266A
;  CURRENT FILING DATE:  1998-10-30
;  PRIOR APPLICATION NUMBER: PCT/US97/07333
;  PRIOR FILING DATE: 1997-05-02
;  PRIOR APPLICATION NUMBER: 08/648,650
;  PRIOR FILING DATE: 1996-05-15
;  PRIOR APPLICATION NUMBER: 08/643,034
;  PRIOR FILING DATE: 1996-05-02
;  NUMBER OF SEQ ID NOS: 50
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 16
;   LENGTH: 685
;   TYPE: DNA
;   ORGANISM: H. sapiens
US-09-183-266A-16

  Query Match             10.9%;  Score 220.2;  DB 4;  Length 685;
  Best Local Similarity   81.8%;  Pred. No. 1.7e-40;
  Matches  266;  Conservative    0;  Mismatches   58;  Indels    1;  Gaps    1;

Qy   1144 ACACGTTTTTGTTGTTGTTTGGTTGTTTTTTTTTGAGACAGAGTCTCACTCTGTTGCCCA 1203
          || | || || |  || |||  || ||||| |||||||| ||||||||||||||||||||
Db    503 ACTCTTTCTTTTCTTTCTTTCTTTTTTTTTCTTTGAGACGGAGTCTCACTCTGTTGCCCA 444

Qy   1204 GGCTGGAGTGCAGTGGCACAATCTCGGCTCATTGCAACCTCCGCCTCCCGCGTTCAAGTG 1263
          ||||| | |||| || |||||||||  |||||||||||||| |||||||| ||| |||||
Db    443 GGCTGAAATGCAATGCCACAATCTCAACTCATTGCAACCTCTGCCTCCCGGGTTGAAGTG 384

Qy   1264 ATTCTCTTGCCTCAGCCTCCCAAGTAACTGATATTACAGGCGCCCAGCCACCACACCCCG 1323
          |||||| |||||||||||||||||| |||  |||||| |    || ||||||||||| |
Db    383 ATTCTCCTGCCTCAGCCTCCCAAGTAGCTGGGATTACAAGGATGCA-CCACCACACCCAG 325

Qy   1324 CTGATTTTTGTATTTTTAGTAGAGACGGGGTTTTCCCACGTTGGCCGGGCTGGTCTCAAA 1383
          || |||||| |||||||||||||| |||||||  |||| |||||| ||||||||  ||
Db    324 CTAATTTTTATATTTTTAGTAGAGATGGGGTTTCGCCACATTGGCCAGGCTGGTCTTGAA 265

Qy   1384 CTCTTGACCTCAAGTGAACCACCCGCCTGTGCCTCCCAAAGTGCTGGAATTACCAGCGTG 1443
          ||| |||||||| |||| ||||| ||||  |||||||||||| |||||||||  | |||
Db    264 CTCCTGACCTCAGGTGATCCACCTGCCTCAGCCTCCCAAAGTGTTGGAATTACAGGTGTG 205

Qy   1444 AGCCACCATGCCGGGCTCACACGTT 1468
          |||||||   || |||  || | ||
Db    204 AGCCACCGCACCAGGCCTACTCTTT 180


RESULT 7
US-09-061-702-1
; Sequence 1, Application US/09061702
; Patent No. 6165737
;  GENERAL INFORMATION:
;    APPLICANT:  Wang, Xiaodong
;    APPLICANT:  Liu, Xuesong
;    TITLE OF INVENTION:  DNA FRAGMENTATION FACTOR INVOLVED IN
;    TITLE OF INVENTION:  APOPTOSIS
;    NUMBER OF SEQUENCES:  21
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Arnold, White & Durkee
;      STREET:  P.O. Box 4433
;      CITY:  Houston
;      STATE:  TX
;      COUNTRY:  USA
;      ZIP:  77210-4433
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/061,702
;      FILING DATE:  Concurrently Herewith
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;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  McMillian, Nabeela R.
;      REGISTRATION NUMBER:  P-43,363
;      REFERENCE/DOCKET NUMBER:  UTSD:546
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (512)418-3000
;      TELEFAX:  (512)474-7577
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  2839 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-09-061-702-1

  Query Match            10.8%;  Score 218.2;  DB 4;  Length 2839;
  Best Local Similarity   58.0%;  Pred. No. 6.9e-40;
  Matches  462;  Conservative    0;  Mismatches  328;  Indels    7;  Gaps    4;

Qy     669 GCGGTATGCAAATGTAGCCAATAATATACTCAAACTCCTGGGCTCAAGCGATCCTCCCAC 728
           | ||| |    |||| |   |   |   ||||||||||||  |||| | ||||| |||||
Db    1480 GGGGTTTCACCATGTTGGTCAGGCTGGTCTCAAACTCCTGACCTCAGGTGATCCGCCCAC 1539

Qy     729 CTTAGCCTCCCAAAGTACTGGGATTATAGGTGTGAGCCACAGTGCCTGGCCTAATTATTT 788
           || |||||||||||| ||||||| | |||||||||||| | |||  |||| | |  ||
Db    1540 CTCAGCCTCCCAAAGTGCTGGGATGACAGGTGTGAGCCACTGCGCCCAGCCTGAATCATT 1599

Qy     789 TCTTGTGATCAAATTCAGGTTTAATGTTTTTGGTTAAGAATTTCCTACGTGAATTCGTGT 848
           |||| |        |||    | |      ||  |    |    |||  |
Db    1600 TCTTATACCTTCTGACAGCCCAACTTCCAGAGGACAGCTCTGGGGTACTCGTTGGATGTC 1659

Qy     849 ACTTATTTTGTCAT-TTAGAGTTCATAAATATTAGGGTTTATTTTCTAAATAGAATAGTT 907
             | | |   |  |  ||  | |||  |    || |  || | |      |     | |
Db    1660 TGTGAGTACCTGGTCATACGGGTCAGTAGGGATAAGAATTGTCTCTGGGCTGAGGAATTC 1719

Qy     908 TAAACTAAATATAACTTCAAAACGTCTAGTTTGAGTAGCTACCGTTGTTTGGATTGAAAT 967
           |    |          |    | |||   |||||   |  ||  || ||    ||    |
Db    1720 TTCTGTTCTCTGGTTTCACCAGCGTTGGGTTTGCTCATGTAATGTGGTCACCATACTCAA 1779

Qy     968 TTTCTGATACTGAAAAGAACAAAAAGCCTGCCTTTCTGCCCAGAACCTTTTGCCTCCCCC 1027
             |  ||  |  |   |        | | |||  |    | | ||    || ||  ||  |
Db    1780 ATGGTGTCATGGCTGAAGTTGGCCACCTTGCTTGAGGGACAAGTTGTTTATGTATCAGCT 1839

Qy    1028 AGTCAGTTCTTGGAGCAGCACTAGTTAGGGGCCCAGAGTTCGGCCTTCTGTGTGGTGATT 1087
             |   |   |   |  | |  |   | |||       |  |   | |  | | | |
Db    1840 CTCTGCTGGGTCTCCCTTTCCATGGCAAATGGGCAGCTCCATCCTCTTGATCTTCTAAAT 1899

Qy    1088 ----TTACGCTCTGCCTAAACAAGGAGCCTACATCTTTTAGCTCCTATTCCACCCTTCTC 1143
               | |   || |       || |     || |||   ||||      | | | |
Db    1900 GCCCAAAAGAGGTGTCATGCTTTGGGGGTACGATGTTTATACTCCGTAAAGAACATACAA 1959

Qy    1144 ACACGTT-TTTGTTGTTGTTTGGTTGTTTTTTTTTGAGACAGAGTCTCACTCTGTTGCCC 1202
             || ||   || || | |||  || | ||| ||||||||||  ||||||||||| || |
Db    1960 GGACATTCACTGCTGATTTTTTTTTTTGTTTGTTTGAGACAGGGTCTCACTCTGTCGCTC 2019

Qy    1203 AGGCTGGAGTGCAGTGGCACAATCTCGGCTCATTGCAACCTCCGCCTCCCGCGTTCAAGT 1262
           ||||||||||||||||   |||||| |||||| |||||||||||||||| |  ||||||||
Db    2020 AGGCTGGAGTGCAGTGATGCAATCTTGGCTCACTGCAACCTCCGCCTCTCAGGTTCAAGT 2079

Qy    1263 GATTCTCTTGCCTCAGCCTCCCAAGTAACTGATATTACAGGCGCCCAGCCACCACACCCC 1322
           | ||||| |||||||||||||||||| |||  |||||||| || | ||||||    ||
Db    2080 GGTTCTCCTGCCTCAGCCTCCCAAGTAGCTGGGATTACAGGCACCTA-CCACCAGGGCCA 2138

Qy    1323 GCTGATTTTTGTATTTTTAGTAGAGACGGGGTTTTCCCACGTTGGCCGGGCTGGTCTCAA 1382
           ||| |||||||||| ||||||||  |||||||||   ||| |||||| |||||  |||| |
Db    2139 GCTAATTTTTGTATGTTTAGTAGTAACGGGGTTTCACCATGTTGGCCAGGCTGTTCTCGA 2198

Qy    1383 ACTCTTGACCTCAAGTGAACCACCCGCCTGTGCCTCCCAAAGTGCTGGAATTACCAGCGT 1442
           |||| |||||||| |||| |  |||||||  | ||||||||||||||| |||||  || |
Db    2199 ACTCCTGACCTCAGGTGATCTGCCCGCCTCGGTCTCCCAAAGTGCTGGGATTACAGGCAT 2258

Qy    1443 GAGCCACCATGCCGGGC 1459
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           |||||||    || | |
Db    2259 GAGCCACTGCACCTGAC 2275


RESULT 8
US-09-791-211-10/c
; Sequence 10, Application US/09791211
; Patent No. 6448080
; GENERAL INFORMATION:
;  APPLICANT:  Donna T. Ward
;  APPLICANT:  Andrew T. Watt
;  TITLE OF INVENTION:  ANTISENSE MODULATION OF WRN EXPRESSION
;  FILE REFERENCE:  RTS-0205
;  CURRENT APPLICATION NUMBER: US/09/791,211
;  CURRENT FILING DATE:  2001-02-23
;  NUMBER OF SEQ ID NOS:  90
; SEQ ID NO 10
;   LENGTH: 98844
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: unsure
;   LOCATION: 24962
;   OTHER INFORMATION: unknown
;   NAME/KEY: unsure
;   LOCATION: 64383
;   OTHER INFORMATION: unknown
;   NAME/KEY: unsure
;   LOCATION: 65468
;   OTHER INFORMATION: unknown
;   NAME/KEY: unsure
;   LOCATION: 65469
;   OTHER INFORMATION: unknown
;   NAME/KEY: unsure
;   LOCATION: 65470
;   OTHER INFORMATION: unknown
;   NAME/KEY: unsure
;   LOCATION: 65471
;   OTHER INFORMATION: unknown
;   NAME/KEY: unsure
;   LOCATION: 87130
;   OTHER INFORMATION: unknown
;   NAME/KEY: unsure
;   LOCATION: 89049
;   OTHER INFORMATION:
US-09-791-211-10

  Query Match            10.8%;  Score 217.4;  DB 4;  Length 98844;
  Best Local Similarity   80.4%;  Pred. No. 2.8e-39;
  Matches  279;  Conservative    0;  Mismatches   66;  Indels    2;  Gaps    2;

Qy    1138 CTTCTCACACGTTTTTGTTGTTGTTTGGTTGTTTTTTTTTTGAGACAGAGTCTCACTC-TG 1196
           | | | | |   | || || |||  || ||||||||||||||||||| || ||| ||
Db   82345 CATGTAAAAATTCACTTTTTTTTTTTTTTTTTTTTTTTTTTGAGACAGAGTTTCGCTCTTG 82286

Qy    1197 TTGCCCAGGCTGGAGTGCAGTGGCACAATCTCGGCTCATTGCAACCTCCGCCTCCCGCGT 1256
           |||||||||||||||||| | ||||||||||||||||||| |||||||||  ||||||| ||
Db   82285 TTGCCCAGGCTGGAGTGGAATGGCACAATCTCGGCTCACTGCAACCTCCACCTCCCGAGT 82226

Qy    1257 TCAAGTGATTCTCTTGCCTCAGCCTCCCAAGTAACTGATATTACAGGCGCCCAGCCACCA 1316
           |||||  |||| | |||||||||||||||||||| |||  |||||||||  || |||||||
Db   82225 TCAAGCAATTCCCCTGCCTCAGCCTCCCAAGTAGCTGGGATTACAGGC-ACCTGCCACCA 82167

Qy    1317 CACCCCGCTGATTTTTGTATTTTTAGTAGAGACGGGGTTTTCCCACGTTGGCCGGGCTGG 1376
           | ||| ||| ||| |||||||||||||||||||| ||||||  ||| |||| || ||||||
Db   82166 CGCCCAGCTAATTGTTGTATTTTTAGTAGAGACAGGGTTTCACCATGTTGACCAGGCTGG 82107

Qy    1377 TCTCAAACTCTTGACCTCAAGTGAACCACCCGCCTGTGCCTCCCAAAGTGCTGGAATTAC 1436
           |||| ||||| |||||||| |||| |||||| |||  |||||||||||||||| | |||
Db   82106 TCTCGAACTCCTGACCTCAGGTGATCCACCCACCTCGGCCTCCCAAAGTGCTGGGACTAC 82047

Qy    1437 CAGCGTGAGCCACCATGCCGGGCTCACACGTTTGAGTTGATACCATT 1483
```

```
                ||||||||||||||||||| |||  | |  |   | ||  ||  |||
Db  82046 AGGCGTGAGCCACCATGCCCGGCCAAAATTTGCTATTTTTTATAATT 82000


RESULT 9
US-09-167-681-45
; Sequence 45, Application US/09167681A
; Patent No. 6265561
; GENERAL INFORMATION:
;  APPLICANT: Weinshilboum, M.D., Richard M.
;  APPLICANT: Raftogianis, Rebecca B.
;  APPLICANT: Wood, Thomas C.
;  APPLICANT: Otterness, Diane M.
;  TITLE OF INVENTION: SULFOTRANSFERASE SEQUENCE VARIANTS
;  FILE REFERENCE: 07039/118001
;  CURRENT APPLICATION NUMBER: US/09/167,681A
;  CURRENT FILING DATE: 1998-10-07
;  NUMBER OF SEQ ID NOS: 52
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 45
;   LENGTH: 8447
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: CDS
;   LOCATION: (4361)...(4507)
;   NAME/KEY: CDS
;   LOCATION: (4612)...(4737)
;   NAME/KEY: CDS
;   LOCATION: (4827)...(4925)
;   NAME/KEY: CDS
;   LOCATION: (6322)...(6447)
;   NAME/KEY: CDS
;   LOCATION: (6543)...(6638)
;   NAME/KEY: CDS
;   LOCATION: (7137)...(7316)
;   NAME/KEY: CDS
;   LOCATION: (7439)...(7553)
US-09-167-681-45

  Query Match            10.8%;  Score 217;  DB 4;  Length 8453;
  Best Local Similarity  76.4%;  Pred. No. 1.7e-39;
  Matches  279;  Conservative    0;  Mismatches   85;  Indels    1;  Gaps    1;

Qy   1139 TTCTCACACGTTTTTGTTGTTGTTTGGTTGTTTTTTTTTTGAGACAGAGTCTCACTCTGTT 1198
          ||||  |    |||  || || |||  || ||||||||||||||||||||||||||||||
Db   1679 TTCTTTCTTTCTTTCTTTTTTTTTTTTTTTTTTTTTTTTTTGAGACAGAGTCTCACTCTGTT 1738

Qy   1199 GCCCAGGCTGGAGTGCAGTGGCACAATCTCGGCTCATTGCAACCTCCGCCTCCCGCGTTC 1258
          ||||||||||||||||||||    |||| |||||| || ||||||||||||| | ||||
Db   1739 GCCCAGGCTGGAGTGCAGTGGTGTGATCTTGGCTCACTGAAACCTCCGCCTCCTGGGTTC 1798

Qy   1259 AAGTGATTCTCTTGCCTCAGCCTCCCAAGTAACTGATATTACAGGCGCCCAGCCACCACA 1318
          |||||||||||||||||||||||||  |||| ||    |||||||| |||| |||| ||
Db   1799 AAGTGATTCTCTTGCCTCAGCCTCCTGAGTAGCTAGGATTACAGGTGCCC-GCCATCATG 1857

Qy   1319 CCCCGCTGATTTTTGTATTTTTAGTAGAGACGGGGTTTTCCCACGTTGGCCGGGCTGGTC 1378
          ||| ||| |||||||||||||||||||||| ||||||  ||| |||||| |  |||||
Db   1858 CCCAGCTAATTTTTGTATTTTTAGTAGAGACAGGGTTTCACCATGTTGGCCAGCTTGGTC 1917

Qy   1379 TCAAACTCTTGACCTCAAGTGAACCACCCGCCTGTGCCTCCCAAAGTGCTGGAATTACCA 1438
          || ||||| |||||||| |||| ||  | || |   |||||||||| |||| |||||
Db   1918 TCGAACTCCTGACCTCAGGTGATCCTGCTGCATCGACCTCCCAAAGTACTGGGATTACAG 1977

Qy   1439 GCGTGAGCCACCATGCCGGGCTCACACGTTTGAGTTGATACCATTGTGCCATTCCTCTTT 1498
          |||||||||||||| ||   ||        ||     ||  |  ||  |   ||| |||
Db • 1978 GCGTGAGCCACCACGCTCAGCCTCTTTCTTGTTCTATATGTCCATGCTCTGCTCCACTTC 2037

Qy   1499 TGGCC 1503
          || ||
Db   2038 TGCCC 2042
    •
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RESULT 10
US-09-385-982-354
; Sequence 354, Application US/09385982
; Patent No. 6262334
; GENERAL INFORMATION:
;  APPLICANT: ENDEGE, WILSON O., ET AL.
;  TITLE OF INVENTION: NOVEL HUMAN GENES AND GENE EXPRESSION
;  TITLE OF INVENTION: PRODUCTS:  II
;  FILE REFERENCE: CCDNA-260XX
;  CURRENT APPLICATION NUMBER: US/09/385,982
;  CURRENT FILING DATE: 1999-08-30
;  EARLIER APPLICATION NUMBER: 09/328,111
;  EARLIER FILING DATE: 1999-06-08
;  EARLIER APPLICATION NUMBER: 60/117,393
;  EARLIER FILING DATE: 1999-01-27
;  EARLIER APPLICATION NUMBER: 60/098,639
;  EARLIER FILING DATE: 1998-08-31
;  NUMBER OF SEQ ID NOS: 544
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 354
;   LENGTH: 631
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (1)...(631)
;   OTHER INFORMATION: n = A,T,C or G
US-09-385-982-354

  Query Match            10.7%;  Score 216.4;  DB 4;  Length 631;
  Best Local Similarity  83.2%;  Pred. No. 1.2e-39;
  Matches  258;  Conservative    0;  Mismatches   51;  Indels    1;  Gaps    1;

Qy   1150 TTTTGTTGTTGTTTGGTTGTTTTTTTTTGAGACAGAGTCTCACTCTGTTGCCCAGGCTGG 1209
          |||| || || |||  || |||||||||| ||| |||||  |||||| ||||||||||
Db      6 TTTTTTTTTTTTTTTTTTTTTTTTTTTTGGGACGGAGTCATGCTCTGTCGCCCAGGCTGG 65

Qy   1210 AGTGCAGTGGCACAATCTCGGCTCATTGCAACCTCCGCCTCCCGCGTTCAAGTGATTCTC 1269
          |||||||||||  |||||||||| ||||| |||||||||||| | ||| |  ||||||
Db     66 AGTGCAGTGGCATGATCTCGGCTCACTGCAAGCTCCGCCTCCCGGGCTCATGCCATTCTC 125

Qy   1270 TTGCCTCAGCCTCCCAAGTAACTGATATTACAGGCGCCCAGCCACCACACCCCGCTGATT 1329
           |||||||||||||| |||| |||| |||| || | ||||||| ||| ||| |||
Db    126 CTGCCTCAGCCTCCCGAGTAGCTGAGATTATAGGCACCTA-CCACCACGCCCGGCTAATT 184

Qy   1330 TTTGTATTTTTAGTAGAGACGGGGTTTTCCCACGTTGGCCGGGCTGGTCTCAAACTCTTG 1389
          |||||||||||||||||||||||||  ||| |||| || |||||||||| ||||| ||
Db    185 TTTGTATTTTTAGTAGAGACGGGGTTTCACCATGTTGACCAGGCTGGTCTCGAACTCCTG 244

Qy   1390 ACCTCAAGTGAACCACCCGCCTGTGCCTCCCAAAGTGCTGGAATTACCAGCGTGAGCCAC 1449
          |||| | |||| |||| |||||    |||||||||||||| |||||  ||||||||||
Db    245 ACCTTAGGTGATCCACTCGCCTTCATCTCCCAAAGTGCTGGGATTACAGGCGTGAGCCAC 304

Qy   1450 CATGCCGGGC 1459
          | |||| |||
Db    305 CGTGCCTGGC 314


RESULT 11
US-09-078-294-9
; Sequence 9, Application US/09078294
; Patent No. 6265211
; GENERAL INFORMATION:
;  APPLICANT: Choo, Kong-Hong Andy
;  APPLICANT: Du Sart, Desiree
;  APPLICANT: Cancilla, Michael R.
;  TITLE OF INVENTION: A NOVEL NUCLEIC ACID MOLECULE
;  FILE REFERENCE: Davies Col
;  CURRENT APPLICATION NUMBER: US/09/078,294
;  CURRENT FILING DATE: 1998-05-13
;  NUMBER OF SEQ ID NOS: 29
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 9
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;   LENGTH: 1701
;   TYPE: DNA
;  *ORGANISM: BAC-F2 contig 5
US-09-078-294-9

  Query Match             10.6%;  Score 213.2;  DB 4;  Length 1701;
  Best Local Similarity   76.9%;  Pred. No. 7.9e-39;
  Matches  286;  Conservative    0;  Mismatches   83;  Indels    3;  Gaps    2;

Qy    1097 GCCTAAACAAGGAGCCTACATCTTTTAGCTCCTATTCCACCCTTCTCACACGTTTTTGTT 1156
           ||  | | || |      | || ||| | | |  || | |  |  |       |||| ||
Db    1040 GCAGATAAAATGGCTTCTCTTCATTTTGATTCATTTACTCTTTCTTTTATTTATTTTATT 1099

Qy    1157 GTTGTTTGGTTGTTTTTTTTTGAGACAGAGTCTCACTCTGTTGCCCAGGCTGGAGTGCAG 1216
            || ||   || ||||||| |||||  ||||||| ||||||||||||||||||||||||
Db    1100 ATTATTATTTTTTTTTTTTCTGAGAAGGAGTCTCGCTCTGTTGCCCAGGCTGGAGTGCAG 1159

Qy    1217 TGGCACAATCTCGGCTCATTGCAACCTCCGCCTCCCGCGTTCAAGTGATTCTCTTGCCTC 1276
           ||||   |||||||||| |||||||| |||||||| ||||||| ||||||| ||||||
Db    1160 TGGCGTGATCTCGGCTCACTGCAACCTCTGCCTCCCGGGTTCAAGCGATTCTCCTGCCTC 1219

Qy    1277 AGCCTCCCAAGTAACTGATATTACAGGCGCCCAGCCACCACACCCCGCTGATTTTTGTAT 1336
           |||||||||||| |||  |||||||||   | |||||||| ||| ||| |||||||||
Db    1220 AGCCTCCCAAGTAGCTGGGATTACAGGCATGC-GCCACCACGCCCGGCTAATTTTTGTAA 1278

Qy    1337 TTTTAGTAGAGACGGGGTTTTCCCACGTTGGCCGGGCTGGTCTCAAACTCTTGACCTCAA 1396
           |||||||||||| |||||||  ||| |||||  | |||||||  |||||||| ||||||
Db    1279 TTTTAGTAGAGATGGGGTTTCACCATGTTGGTCAGGCTGGTGTCAAACTCCTGACCT--T 1336

Qy    1397 GTGAACCACCCGCCTGTGCCTCCCAAAGTGCTGGAATTACCAGCGTGAGCCACCATGCCG 1456
           |||| || || ||||  |||||||||||||||| |||||  | ||||||||||||||||
Db    1337 GTGATCCGCCTGCCTCAGCCTCCCAAAGTGCTGGGATTACAGGTGTGAGCCACCATGCCC 1396

Qy    1457 GGCTCACACGTT 1468
           |||  || | ||
Db    1397 GGCCTACTCTTT 1408


RESULT 12
US-08-781-891-79/c
; Sequence 79, Application US/08781891
; Patent No. 6090620
;  GENERAL INFORMATION:
;    APPLICANT:  Fu, Ying-Hui
;    APPLICANT:  Yu, Chang-En
;    APPLICANT:  Oshima, Junko
;    APPLICANT:  Mulligan, John T.
;    APPLICANT:  Schellenberg, Gerald D.
;    TITLE OF INVENTION:  GENE AND GENE PRODUCTS RELATED TO
;    TITLE OF INVENTION:  WERNER'S SYNDROME
;    NUMBER OF SEQUENCES:  209
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  SEED and BERRY LLP
;      STREET:  6300 Columbia Center, 701 Fifth Avenue
;      CITY:  Seattle
;      STATE:  Washington
;      COUNTRY:  USA
;      ZIP:  98104-7092
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/781,891
;      FILING DATE:  27-DEC-1996
;      CLASSIFICATION:  800
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  No. 6090620tenburg Ph.D., Carol
;      REGISTRATION NUMBER:  39,317
;      REFERENCE/DOCKET NUMBER:  240052.419
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (206) 622-4900
;      TELEFAX:  (206) 682-6031
;  INFORMATION FOR SEQ ID NO:  79:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  87350 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-781-891-79

  Query Match             10.6%;  Score 212.8;  DB 3;  Length 87350;
  Best Local Similarity   81.4%;  Pred. No. 2.9e-38;
  Matches  258;  Conservative    0;  Mismatches   58;  Indels    1;  Gaps    1;

Qy    1144 ACACGTTTTTGTTGTTGTTTGGTTGTTTTTTTTTGAGACAGAGTCTCACTCTGTTGCCCA 1203
           ||   ||| | |  || |||  || ||||||||  |||||||||||||  ||||||  ||||
Db   42299 ACCTTTTTATCTCTTTTTTTTTTTTTTTTTTTNGAGACAGAGTCTCGCTCTGTCTCCCA 42240

Qy    1204 GGCTGGAGTGCAGTGGCACAATCTCGGCTCATTGCAACCTCCGCCTCCCGCGTTCAAGTG 1263
           ||||| |||||||||||||||||| | |||| |||||||||| ||||| | |||||||
Db   42239 GGCTGAAGTGCAGTGGCACAATCTTGACTCACTGCAACCTCCACCTCCTGGGTTCAAGCA 42180

Qy    1264 ATTCTCTTGCCTCAGCCTCCCAAGTAACTGATATTACAGGCGCCCAGCCACCACACCCCG 1323
           |||||| |||||||||||||  | || |||  |||||||| ||||  |||||| ||| |
Db   42179 ATTCTCCTGCCTCAGCCTCCTGAATAGCTGGGATTACAGGCACCCA-ACACCACGCCCAG 42121

Qy    1324 CTGATTTTTGTATTTTTAGTAGAGACGGGGTTTTCCCACGTTGGCCGGGCTGGTCTCAAA 1383
           || ||||||||| ||||||||| |||| ||||   || |||||| |||||||||  ||
Db   42120 CTAATTTTTGTACTTTTAGTAGAAACGGAGTTTCATCATGTTGGCCAGGCTGGTCTTGAA 42061

Qy    1384 CTCTTGACCTCAAGTGAACCACCCGCCTGTGCCTCCCAAAGTGCTGGAATTACCAGCGTG 1443
           ||| |||||||||||| |  || |||| |||||||||||||||| |||||  |||||
Db   42060 CTCCTGACCTCAAGTGATCTGCCTGCCTCGGCCTCCCAAAGTGCTGGGATTACAGGCGTG 42001

Qy    1444 AGCCACCATGCCGGGCT 1460
           |||||||||||||  |||
Db   42000 AGCCACCATGCCCAGCT 41984


RESULT 13
US-09-791-211-3/c
; Sequence 3, Application US/09791211
; Patent No. 6448080
; GENERAL INFORMATION:
;  APPLICANT:  Donna T. Ward
;  APPLICANT:  Andrew T. Watt
;  TITLE OF INVENTION:  ANTISENSE MODULATION OF WRN EXPRESSION
;  FILE REFERENCE:  RTS-0205
;  CURRENT APPLICATION NUMBER: US/09/791,211
;  CURRENT FILING DATE:  2001-02-23
;  NUMBER OF SEQ ID NOS:  90
; SEQ ID NO 3
;   LENGTH: 87543
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: unsure
;   LOCATION: 7421
;   OTHER INFORMATION: unknown
;   NAME/KEY: unsure
;   LOCATION: 7427
;   OTHER INFORMATION: unknown
;   NAME/KEY: unsure
;   LOCATION: 11609
;   OTHER INFORMATION: unknown
;   NAME/KEY: unsure
;   LOCATION: 12605
;   OTHER INFORMATION: unknown
;   NAME/KEY: unsure
;   LOCATION: 12742
;   OTHER INFORMATION: unknown
;   NAME/KEY: unsure
;   LOCATION: 29370
;   OTHER INFORMATION: unknown
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; NAME/KEY: unsure
; LOCATION: 29422
; OTHER INFORMATION: unknown
; NAME/KEY: unsure
; LOCATION: 29979
; OTHER INFORMATION: unknown
; NAME/KEY: unsure
; LOCATION: 29980
; OTHER INFORMATION: unknown
; NAME/KEY: unsure
; LOCATION: 29981
; OTHER INFORMATION: unknown
; NAME/KEY: unsure
; LOCATION: 30136
; OTHER INFORMATION: unknown
; NAME/KEY: unsure
; LOCATION: 30140
; OTHER INFORMATION: unknown
; NAME/KEY: unsure
; LOCATION: 31205
; OTHER INFORMATION: unknown
; NAME/KEY: unsure
; LOCATION: 31206
; OTHER INFORMATION: unknown
; NAME/KEY: unsure
; LOCATION: 31592
; OTHER INFORMATION: unknown
; NAME/KEY: unsure
; LOCATION: 33095
; OTHER INFORMATION: unknown
; NAME/KEY: unsure
; LOCATION: 33160
; OTHER INFORMATION: unknown
; NAME/KEY: unsure
; LOCATION: 34066
; OTHER INFORMATION: unknown
; NAME/KEY: unsure
; LOCATION: 34072
; OTHER INFORMATION: unknown
; NAME/KEY: unsure
; LOCATION: 36816
; OTHER INFORMATION: unknown
; NAME/KEY: unsure
; LOCATION: 39020
; OTHER INFORMATION: unknown
; NAME/KEY: unsure
; LOCATION: 42164
; OTHER INFORMATION: unknown
; NAME/KEY: unsure
; LOCATION: 42459
; OTHER INFORMATION: unknown
; NAME/KEY: unsure
; LOCATION: 46808
; OTHER INFORMATION: unknown
; NAME/KEY: unsure
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; NAME/KEY: unsure
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; OTHER INFORMATION: unknown
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; OTHER INFORMATION: unknown
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; OTHER INFORMATION: unknown
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; OTHER INFORMATION: unknown
; NAME/KEY: unsure
; LOCATION: 53384
; OTHER INFORMATION: unknown
; NAME/KEY: unsure
; LOCATION: 54684
; OTHER INFORMATION: unknown
; NAME/KEY: unsure
; LOCATION: 59215
; OTHER INFORMATION: unknown
; NAME/KEY: unsure
; LOCATION: 59235
; OTHER INFORMATION: unknown
; NAME/KEY: unsure
; LOCATION: 59242
; OTHER INFORMATION: unknown
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; OTHER INFORMATION: unknown
; NAME/KEY: unsure
; LOCATION: 68660
; OTHER INFORMATION: unknown
; NAME/KEY: unsure
; LOCATION: 68697
; OTHER INFORMATION: unknown
; NAME/KEY: unsure
; LOCATION: 68718
; OTHER INFORMATION: unknown
; NAME/KEY: unsure
; LOCATION: 68733
; OTHER INFORMATION: unknown
; NAME/KEY: unsure
; LOCATION: 68739
; OTHER INFORMATION: unknown
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; LOCATION: 69785
; OTHER INFORMATION: unknown
; NAME/KEY: unsure
; LOCATION: 79134
; OTHER INFORMATION: unknown
; NAME/KEY: unsure
; LOCATION: 79198
; OTHER INFORMATION: unknown
; NAME/KEY: unsure
; LOCATION: 86336
; OTHER INFORMATION: unknown
; OTHER INFORMATION:

US-09-791-211-3

Query Match 10.6%; Score 212.8; DB 4; Length 87543;
Best Local Similarity 81.4%; Pred. No. 2.9e-38;
Matches 258; Conservative 0; Mismatches 58; Indels 1; Gaps 1;

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Qy   1144 ACACGTTTTTGTTGTTGTTTGGTTGTTTTTTTTTGAGACAGAGTCTCACTCTGTTGCCCA 1203
          ||   ||| | |  || |||  || ||||||||| ||||||||||||| ||||||  ||||
Db  42492 ACCTTTTTATCTCTTTTTTTTTTTTTTTTTTTTNGAGACAGAGTCTCGCTCTGTCTCCCA 42433

Qy   1204 GGCTGGAGTGCAGTGGCACAATCTCGGCTCATTGCAACCTCCGCCTCCCGCGTTCAAGTG 1263
          ||||| ||||||||||||||||||| | |||| |||||||||| ||||| | |||||||
Db  42432 GGCTGAAGTGCAGTGGCACAATCTTGACTCACTGCAACCTCCACCTCCTGGGTTCAAGCA 42373

Qy   1264 ATTCTCTTGCCTCAGCCTCCCAAGTAACTGATATTACAGGCGCCCAGCCACCACACCCCG 1323
          |||||| ||||||||||||  | || |||  |||||||| ||||  |||||| ||| |
Db  42372 ATTCTCCTGCCTCAGCCTCCTGAATAGCTGGGATTACAGGCACCCA-ACACCACGCCCAG 42314

Qy   1324 CTGATTTTTGTATTTTTAGTAGAGACGGGGTTTTCCCACGTTGGCCGGGCTGGTCTCAAA 1383
          || ||||||||| |||||||||| |||| ||||    || ||||||| |||||||||  ||
Db  42313 CTAATTTTTGTACTTTTAGTAGAAACGGAGTTTCATCATGTTGGCCAGGCTGGTCTTGAA 42254

Qy   1384 CTCTTGACCTCAAGTGAACCACCCGCCTGTGCCTCCCAAAGTGCTGGAATTACCAGCGTG 1443
          ||| |||||||||||| |  || ||||  |||||||||||||||||| |||||  |||||
Db  42253 CTCCTGACCTCAAGTGATCTGCCTGCCTCGGCCTCCCAAAGTGCTGGGATTACAGGCGTG 42194

Qy   1444 AGCCACCATGCCGGGCT 1460
          |||||||||||  |||
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Db  42193 AGCCACCATGCCCAGCT 42177
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```
RESULT 14
US-09-404-879A-1
; Sequence 1, Application US/09404879A
; Patent No. 6468546
; GENERAL INFORMATION:
;  APPLICANT:  Mitcham, Jennifer L.
;  APPLICANT:  King, Gordon E.
;  APPLICANT:  Algate, Paul A.
;  TITLE OF INVENTION:  COMPOSITIONS AND METHODS FOR THE THERAPY AND
;  TITLE OF INVENTION:  DIAGNOSIS OF OVARIAN CANCER
;  FILE REFERENCE:  210121.462C2
;  CURRENT APPLICATION NUMBER: US/09/404,879A
;  CURRENT FILING DATE:  1999-09-24
;  NUMBER OF SEQ ID NOS:  393
;  SOFTWARE:  FastSEQ for Windows Version 3.0
; SEQ ID NO 1
;   LENGTH: 461
;   TYPE: DNA
;   ORGANISM: Homo sapien
US-09-404-879A-1

  Query Match             10.5%;  Score 212.6;  DB 4;  Length 461;
  Best Local Similarity   83.4%;  Pred. No. 7.5e-39;
  Matches  266;  Conservative    0;  Mismatches   49;  Indels    4;  Gaps    2;

Qy   1149 TTTTTGTTGTTGTTTGGTTGTTTTTTTTTGAGACAGAGTCTCACTCTGTTGCCCAGGCTG 1208
          ||||  ||  | ||   ||||||| ||||||||  ||||||||||||||||||||| ||||
Db     50 TTTTGTTTTGTTTTGTTTTGTTTTGTTTTGAGATGGAGTCTCACTCTGTTGCCCAAGCTG 109

Qy   1209 GAGTGCAGTGGCACAATCTCGGCTCATTGCAACCTCCGCCTCCCGCGTTCAAGTGATTCT 1268
          ||||  ||  ||||  ||||| ||||  ||||||||||||||||  ||||||||||||||
Db    110 GAGTACAACGGCATGATCTCAGCTCGCTGCAACCTCCGCCTCCCACGTTCAAGTGATTCT 169

Qy   1269 CTTGCCTCAGCCTCCCAAGTAACTGATATTACAGGCGCCCAGCCACCACACCCCGCTGA- 1327
          | ||||||||||||||||||  |||  ||||||||||||  ||||||||  | | ||| |
Db    170 CCTGCCTCAGCCTCCCAAGTAGCTGGGATTACAGGCGCCC-GCCACCACGCTCAGCTAAT 228

Qy   1328 --TTTTTGTATTTTTAGTAGAGACGGGGTTTTCCCACGTTGGCCGGGCTGGTCTCAAACT 1385
             |||||||||||||||||||| ||||||  ||| ||||||| ||||| |||  ||||
Db    229 TTTTTTTGTATTTTTAGTAGAGACAGGGTTTCACCAGGTTGGCCAGGCTGCTCTTGAACT 288

Qy   1386 CTTGACCTCAAGTGAACCACCCGCCTGTGCCTCCCAAAGTGCTGGAATTACCAGCGTGAG 1445
          | ||||||| |||| ||||||||||  ||||||||||||||||| |||||  |||||||
Db    289 CCTGACCTCAGGTGATCCACCCGCCTCGGCCTCCCAAAGTGCTGGGATTACAGGCGTGAG 348

Qy   1446 CCACCATGCCGGGCTCACA 1464
          |||||| ||| ||| | ||
Db    349 CCACCACGCCCGGCCCCCA 367
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```
RESULT 15
US-09-404-879A-3
; Sequence 3, Application US/09404879A
; Patent No. 6468546
; GENERAL INFORMATION:
;  APPLICANT:  Mitcham, Jennifer L.
;  APPLICANT:  King, Gordon E.
;  APPLICANT:  Algate, Paul A.
;  TITLE OF INVENTION:  COMPOSITIONS AND METHODS FOR THE THERAPY AND
;  TITLE OF INVENTION:  DIAGNOSIS OF OVARIAN CANCER
;  FILE REFERENCE:  210121.462C2
;  CURRENT APPLICATION NUMBER: US/09/404,879A
;  CURRENT FILING DATE:  1999-09-24
;  NUMBER OF SEQ ID NOS:  393
;  SOFTWARE:  FastSEQ for Windows Version 3.0
; SEQ ID NO 3
;   LENGTH: 461
;   TYPE: DNA
;   ORGANISM: Homo sapien
US-09-404-879A-3
```

```
  Query Match             10.5%;  Score 212.6;  DB 4;  Length 461;
  Best Local Similarity   83.4%;  Pred. No. 7.5e-39;
  Matches  266;  Conservative    0;  Mismatches   49;  Indels    4;  Gaps    2;

Qy   1149 TTTTTGTTGTTGTTTGGTTGTTTTTTTTTGAGACAGAGTCTCACTCTGTTGCCCAGGCTG 1208
          ||||  ||  | ||   ||||||| ||||||||  ||||||||||||||||||||| ||||
Db     50 TTTTGTTTTGTTTTGTTTTGTTTTGTTTTGAGATGGAGTCTCACTCTGTTGCCCAAGCTG 109

Qy   1209 GAGTGCAGTGGCACAATCTCGGCTCATTGCAACCTCCGCCTCCCGCGTTCAAGTGATTCT 1268
          ||||  ||  ||||  ||||| ||||  ||||||||||||||||  ||||||||||||||
Db    110 GAGTACAACGGCATGATCTCAGCTCGCTGCAACCTCCGCCTCCCACGTTCAAGTGATTCT 169

Qy   1269 CTTGCCTCAGCCTCCCAAGTAACTGATATTACAGGCGCCCAGCCACCACACCCCGCTGA- 1327
          | ||||||||||||||||||  |||  ||||||||||||  ||||||||  | | ||| |
Db    170 CCTGCCTCAGCCTCCCAAGTAGCTGGGATTACAGGCGCCC-GCCACCACGCTCAGCTAAT 228

Qy   1328 --TTTTTGTATTTTTAGTAGAGACGGGGTTTCACCAGGTTGGCCAGGCTGCTCTTGAACT 1385
             ||||||||||||||||||||  |||  |||||||| |||||  |||  ||||
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Search completed: April 1, 2003, 01:51:18
Job time : 544 secs

OM nucleic - nucleic search, using sw model

Run on: April 1, 2003, 01:42:32 ; Search time 204 Seconds
(without alignments)
8413.786 Million cell updates/sec

Title: US-09-813-492-1
Perfect score: 2017
Sequence: 1 tagataccctgaacacctcc.....ataccaaaaaaaaaaaaaaa 2017

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 574371 seqs, 425486471 residues

Total number of hits satisfying chosen parameters: 1148742

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published_Applications_NA:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	2017	100.0	2017	10	US-09-813-492-1	Sequence 1, Appli
2	1035.2	51.3	3117	9	US-09-834-794A-6	Sequence 6, Appli
3	1035.2	51.3	3117	10	US-09-834-795A-6	Sequence 6, Appli
4	498	24.7	731	9	US-09-898-751A-5	Sequence 5, Appli
5	498	24.7	731	9	US-10-146-496-1	Sequence 1, Appli
6	497	24.6	768	10	US-09-931-381A-1	Sequence 1, Appli
7	369.6	18.3	496	9	US-10-146-496-3	Sequence 3, Appli
c 8	361.8	17.9	472	10	US-09-964-824A-56	Sequence 56, Appl
c 9	302	15.0	311	9	US-09-834-794A-11	Sequence 11, Appl
c 10	302	15.0	311	10	US-09-834-795A-11	Sequence 11, Appl
11	261.4	13.0	445	9	US-10-146-496-4	Sequence 4, Appli
c 12	228.6	11.3	17397	10	US-09-764-869-1945	Sequence 1945, Ap
c 13	228.6	11.3	19334	10	US-09-764-869-1943	Sequence 1943, Ap
c 14	228.6	11.3	19345	10	US-09-764-869-1944	Sequence 1944, Ap
15	228.2	11.3	31994	9	US-09-764-904-71	Sequence 71, Appl
16	228.2	11.3	31994	9	US-10-091-548-71	Sequence 71, Appl
17	228.2	11.3	31994	10	US-09-764-860-599	Sequence 599, App
c 18	228	11.3	23603	9	US-09-860-670-264	Sequence 264, App
c 19	228	11.3	23613	9	US-09-860-670-258	Sequence 258, App
c 20	226.4	11.2	24218	9	US-09-860-670-263	Sequence 263, App
c 21	226.4	11.2	32190	9	US-09-860-670-255	Sequence 255, App
c 22	226.4	11.2	32249	9	US-09-860-670-260	Sequence 260, App
c 23	224.8	11.1	581	9	US-10-046-935-1660	Sequence 1660, Ap
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28	223.8	11.1	58837	10	US-09-982-091A-5	Sequence 5, Appli
c 29	223.6	11.1	465237	10	US-09-933-267A-1	Sequence 1, Appli
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c 31	223.2	11.1	48436	10	US-09-927-602-38	Sequence 38, Appl
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c 38	222.2	11.0	7880	10	US-09-764-860-961	Sequence 961, App
c 39	222	11.0	7661	9	US-09-860-670-282	Sequence 282, App
c 40	222	11.0	11696	9	US-09-860-670-283	Sequence 283, App
c 41	222	11.0	11696	9	US-09-860-670-284	Sequence 284, App
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43	221.6	11.0	4857	10	US-09-764-847-1929	Sequence 1929, Ap
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c 45	221.4	11.0	19125	10	US-09-764-877-2805	Sequence 2805, Ap

ALIGNMENTS

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US-09-813-492-1
; Sequence 1, Application US/09813492
; Patent No. US20020009735A1
; GENERAL INFORMATION:
; APPLICANT: Labow, Mark A.
; APPLICANT: Mickanin, Craig Stephen
; APPLICANT: Bhatia, Umesh
; TITLE OF INVENTION: MAMMARY GLAND CHEMOKINE
; FILE REFERENCE: 12345
; CURRENT APPLICATION NUMBER: US/09/813,492
; CURRENT FILING DATE: 2001-03-21
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 2017
; TYPE: DNA
; ORGANISM: HUMAN
US-09-813-492-1

Query Match 100.0%; Score 2017; DB 10; Length 2017;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2017; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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; Sequence 6, Application US/09834794A
; Publication No. US20030026777A1
; GENERAL INFORMATION:
;  APPLICANT: Lawrence, Papsidero
;  APPLICANT:  Lyn, Dyster
;  APPLICANT:  Jana, Frustaci
;  TITLE OF INVENTION: Detection and Treatment of Breast Cancer
;  FILE REFERENCE: 3380/1I127-US4
;  CURRENT APPLICATION NUMBER: US/09/834,794A
;  CURRENT FILING DATE:  2001-04-13
;  PRIOR APPLICATION NUMBER: 09/146,580
;  PRIOR FILING DATE: 1998-09-03
;  PRIOR APPLICATION NUMBER: 60/071,899
;  PRIOR FILING DATE: 1998-01-20
;  PRIOR APPLICATION NUMBER: 60/092,155
;  PRIOR FILING DATE: 1998-07-09
;  NUMBER OF SEQ ID NOS: 35
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; SEQ ID NO 6
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;   ORGANISM: Homo sapiens
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;   NAME/KEY: unsure
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;   OTHER INFORMATION: y at any position in the sequence represents t/u or c
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;   OTHER INFORMATION: m at any position in the sequence represents a or c
;   NAME/KEY: unsure
;   LOCATION: (1)..(3117)
;   OTHER INFORMATION: k at any position in the sequence represents g or t/u
;   NAME/KEY: unsure
;   LOCATION: (1)..(3117)
;   OTHER INFORMATION: s at any position in the sequence represents g or c
;   NAME/KEY: unsure
;   LOCATION: (1)..(3117)
;   OTHER INFORMATION: w at any position in the sequence represents a or t/u
;   NAME/KEY: unsure
;   LOCATION: (1)..(3117)
;   OTHER INFORMATION: r at any position in the sequence represents g or a
US-09-834-794A-6

  Query Match             51.3%;  Score 1035.2;  DB 9;  Length 3117;
  Best Local Similarity   86.5%;  Pred. No. 2.7e-225;
  Matches 1172;  Conservative   73;  Mismatches   92;  Indels   18;  Gaps   15;

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Qy     791 TTGTGATCAAATTCAGGTTTAATGTTTTTGGTTAAGAATTTCCTACGTGAATTCGTGTAC 850
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Qy    1325 TGATTTTTGTATTTTTAGTAGAGACGGGGTTTTCCCACGTTGGCCGGGCTGGTCTCAAAC 1384
           |||:||||||||||||:||:|:|::|||||||||| | |||||  |||||||||| ||
Db    2328 TGAWTTTTGTATTTTTARTARARAMRGGGTTTTCCCGCNTTGGCNGGGCTGGTCTCNAAN 2387

Qy    1385 T-CTTGACCTCAAGTGAACCACCCGCCTGTGCCTCCCAAAGTGCTGGAATTACCAGCG-T 1442
           | |||||:||| |:|||||||||||||||||:|||||  |||||||||||||| || |
Db    2388 TCCTTGAMCTCNAKTGAACCACCCGCCTGTGCCYCCCAAANTGCTGGAATTACCANCGTT 2447

Qy    1443 GAGCCACCATGCCGGGCTCACACGTTTGAG-TTGATACCATTGTGCCATTCCTCTTTTGG 1501
           || ||||||||||||||:|||||||||||: |||| |||||||| ||||||||||||||||
Db    2448 GANCCACCATGCCGGGCYCACACGTTTGARTTTGANACCATTGTNCCATTCCTCTTTTGG 2507

Qy    1502 CCTCTTTTTTGTCCATAGAGGCTTCAAGATAGATAGGTAAGAGCCCAGTAGT-GTTCATA 1560
           |||:|||||| |||||||  |||||||||||||| |||||:|||||||||| ||||:||
Db    2508 CCTYTTTTTTTNTCCATAGNNGCTTCAAGATAGATANGTAAGRGCCCAGTAGTNGTTCWTA 2567

Qy    1561 AGAAGCCAATAGAGAGCAGGAGCCACTTTA--TCAGGTGGCAGGTGTCCCGGGCCTCCCT 1618
           :|||||  :||||::|  |:|||:||| |||      |  |||||||||||  |||:|||||
Db    2568 RGAAGCNMATAGRRANCRGGARCCANTTTNATCAGGTGGGCAGGTGTCCNNGGCYTCCCT 2627

Qy    1619 GCTGGCTAGTCCCAAGCGGTGGTGTTGCCAGGATGTCTTGGAGGTGATAATGGGACACAC 1678
           |||||:|  |||||||||||||||||||||:|| :| |||||:||||||||||| | ||
Db    2628 GCTGGYTNNTCCCAAGCGGTGGTGTTGCCARGANKTNTTGGARGTGATAATGGGANANAC 2687

Qy    1679 --AGAGGCACTGAGTCTCCATAGGTTAAAATGCCACCAAAACTGGCCTTT-GCCTAATAT 1735
             ||||:|||||||: |  |||||| ||||||||||||||||||||||| |||||||||
Db    2688 CAGNAGGCMCTGAGTYNCNNTAGGTTNAAATGCCACCAAAACTGGCCTTTGGCCTAATAT 2747

Qy    1736 CCCTCATTGACTATTTAGCATTTAATTTATTTATTTTCCTGACATTTCTGCAAG-CTTTG 1794
           ||::| ||||:|| |||:||||||:||||||:|||| |||||||||| |||:|  |||||
Db    2748 CCYYCNTTGAMTANTTARCATTTAWTTTATTWATTTNCCTGACATTTNTGCMANCCTTTG 2807

Qy    1795 TATTTATATTTCCACTTTATAGATGAGGAAATTTGAGGCTCTTAGAGGTAAAATGACTTG 1854
           |:||| ||||||| || ||||:|:||:|||||||||| |:|||:|||||||||| |||
Db    2808 TWTTTNTATTTCCNCTNTATARAWGARGAAATTTGAGGNTYTTARAGGTAAAATGANTTG 2867

Qy    1855 CCCAGGT-CACACAGGAAGTGGCAGAGACAAGCTTTTTAAATAAGAAAAAATTAATAAAA 1913
           | | :||  ||:|||||||||| :|:| || ||||||| || :|||||||||||||||||
Db    2868 CNCNRGTNNACMCAGGAAGTGGCNRARANAANCTTTTTANATNMGAAAAAATTAATAAAA 2927

Qy    1914 TATAATATGAGAGTAACTTAAAATATTAATAAACCACAATTTTAAATTAATTAACCGTGA 1973
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    2928 TATAATATGAGAGTAACTTAAAATATTAATAAACCACAATTTTAAATTAATTAACCGTGA 2987

Qy    1974 TAACCAACATTAATAAAAGTTAAGATACCAAAAAA 2008
           |||||||||||||||||||||||||||||||| |
Db    2988 TAACCAACATTAATAAAAGTTAAGATACCAAAACA 3022


RESULT 3
US-09-834-795A-6
; Sequence 6, Application US/09834795A
; Patent No. US20020076710A1
; GENERAL INFORMATION:
;  APPLICANT: Lawrence, Papsidero
;  APPLICANT:  Lyn, Dyster
;  APPLICANT:  Jana, Frustaci
;  TITLE OF INVENTION: Detection and Treatment of Breast Cancer
;  FILE REFERENCE: 3380/1I127-US3
;  CURRENT APPLICATION NUMBER: US/09/834,795A
;  CURRENT FILING DATE:  2001-04-12
;  PRIOR APPLICATION NUMBER: 09/146,580
;  PRIOR FILING DATE: 1998-09-03
;  PRIOR APPLICATION NUMBER: 60/071,899
;  PRIOR FILING DATE: 1998-01-20
;  PRIOR APPLICATION NUMBER: 60/092,155
;  PRIOR FILING DATE: 1998-07-09
;  NUMBER OF SEQ ID NOS: 35
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 6
;   LENGTH: 3117
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: unsure
;   LOCATION: (1)..(3117)
;   OTHER INFORMATION: n at any position in the sequence represents a or g or c or t/u
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;   NAME/KEY: unsure
;   LOCATION: (1)..(3117)
;   OTHER INFORMATION: y at any position in the sequence represents t/u or c
;   NAME/KEY: unsure
;   LOCATION: (1)..(3117)
;   OTHER INFORMATION: m at any position in the sequence represents a or c
;   NAME/KEY: unsure
;   LOCATION: (1)..(3117)
;   OTHER INFORMATION: k at any position in the sequence represents g or t/u
;   NAME/KEY: unsure
;   LOCATION: (1)..(3117)
;   OTHER INFORMATION: s at any position in the sequence represents g or c
;   NAME/KEY: unsure
;   LOCATION: (1)..(3117)
;   OTHER INFORMATION: w at any position in the sequence represents a or t/u
;   NAME/KEY: unsure
;   LOCATION: (1)..(3117)
;   OTHER INFORMATION: r at any position in the sequence represents g or a
US-09-834-795A-6

  Query Match             51.3%;  Score 1035.2;  DB 10;  Length 3117;
  Best Local Similarity   86.5%;  Pred. No. 2.7e-225;
  Matches 1172;  Conservative   73;  Mismatches   92;  Indels   18;  Gaps   15;

Qy     671 GGTATGCAAATGTAGCCAATAATATACTCAAACTCCTGGGCTCAAGCGATCCTCCCACCT 730
           |||  |    |||| ||| |   |    |||||||||||||||||||||||||||||||||
Db    1669 GGTCTCACTATGTTGCCCAGGTTGATCTCAAACTCCTGGGCTCAAGCGATCCTCCCACCT 1728

Qy     731 TAGCCTCCCAAAGTACTGGGATTATAGGTGTGAGCCACAGTGCCTGGCCTAATTATTTTC 790
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    1729 TAGCCTCCCAAAGTACTGGGATTATAGGTGTGAGCCACAGTGCCTGGCCTAATTATTTTC 1788

Qy     791 TTGTGATCAAATTCAGGTTTAATGTTTTTGGTTAAGAATTTCCTACGTGAATTCGTGTAC 850
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    1789 TTGTGATCAAATTCAGGTTTAATGTTTTTGGTTAAGAATTTCCTACGTGAATTCGTGTAC 1848

Qy     851 TTATTTTGTCATTTAGAGTTCATAAATATTAGGGTTTATTTTCTAAATAGAATAGTTTAA 910
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    1849 TTATTTTGTCATTTAGAGTTCATAAATATTAGGGTTTATTTTCTAAATAGAATAGTTTAA 1908

Qy     911 ACTAAATATAACTTCAAAACGTCTAGTTTGAGTAGCTACCGTTGTTTGGATTGAAATTTT 970
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    1909 ACTAAATATAACTTCAAAACGTCTAGTTTGAGTAGCTACCGTTGTTTGGATTGAAATTTT 1968

Qy     971 CTGATACTGAAAAGAACAAAAAGCCTGCCTTTCTGCCCAGAACCTTTTGCCTCCCCCAGT 1030
           |||||||||||||||||||||||||||||||||||||||| |||:  ||||:|||||||||
Db    1969 CTGATACTGAAAAGAACAAAAAGCCTGCCTTTCTGCCCANAACSNNTTGCYTCCCCCAGT 2028

Qy    1031 CAGTTCTTGGAGCAGCACTAGTTAGGGGCCCAGAGTTCGGCCTTCTGTGTGGTGATTTTA 1090
           |||||||||  |||| ||||||||||| |||||||||  ||||||   |:||||||||||||
Db    2029 NAGTTCTTGGNGCAGNACTAGTTAGGGNCCCAGAGTTNGGCCTTNNGKGTGGTGATTTTA 2088

Qy    1091 CGCTCTGCCTAAACAAGGAGCCTACATCTTTTAGCTCCTATTCCACCCTTCTCACACGTT 1150
           |:|||||||||||||||| || :||||:|||||||||||||||||:|||| |:|:|||
Db    2089 NGYTCTGCCTAAACAAGGNGCNWACATYTTTTAGCTCCTATTCCACCYTTCTNAMAMGTT 2148

Qy    1151 TTTGTTGTTGTTTGGTTGTTTTTTTTTGAGACAGAGTCTCACTCTG-TTGCCCAGGCTGG 1209
           ||||||||:||||| ||| |||||||:|||||||::| | |:|||| |||||||:|||||
Db    2149 TTTGTTGTKGTTTGNTTG-TTTTTTTKGAGACAGRRTNTNAYTCTGTTTGCCCARGCTGG 2207

Qy    1210 AG-TGCAGTGGCACAATCTCGGCT-CATTGCAACCTCCGCCTCCCG--CGTTCAAGTGAT 1265
           |: |||||||||||||:| ||:| |||||||||:|| ||:|||::  |||||||:||||
Db    2208 ARTTGCAGTGGCACAATYTNGGYTNCATTGCAACYTCNGCYTCCSSGCCGTTCAAKTGAT 2267

Qy    1266 TCTCTTGCCTCAGCCT-CCCAAGTAACTGATATTACAGGCGCCCAGCCACCACACCCCGC 1324
           ::||||||:|||||:| |||||||||  |||||||||||  |||||||||||:||||||
Db    2268 YYTCTTGCYTCAGCYTCCCCAAGTAANTGATATTACAGGNGCCCAGCCACCAMACCCCGN 2327

Qy    1325 TGATTTTTGTATTTTTAGTAGAGACGGGGTTTTCCCACGTTGGCCGGGCTGGTCTCAAAC 1384
           |||:|||||||||||||:||:|:|::|||||||||| | ||||| |||||||||||  ||
Db    2328 TGAWTTTTGTATTTTTARTARARAMRGGGTTTTCCCGCNTTGGCNGGGCTGGTCTCNAAN 2387

Qy    1385 T-CTTGACCTCAAGTGAACCACCCGCCTGTGCCTCCCAAAGTGCTGGAATTACCAGCG-T 1442
           | |||||:||| |:||||||||||||||||||:|||||| |||||||||||||  || |
Db    2388 TCCTTGAMCTCNAKTGAACCACCCGCCTGTGCCYCCCAAANTGCTGGAATTACCANCGTT 2447

Qy    1443 GAGCCACCATGCCGGGCTCACACGTTTGAG-TTGATACCATTGTGCCATTCCTCTTTTGG 1501
           || |||||||||||||:|||||||||||: |||| |||||||| |||||||||||||||
Db    2448 GANCCACCATGCCGGGCYCACACGTTTGARTTTGANACCATTGTNCCATTCCTCTTTTGG 2507

Qy    1502 CCTCTTTTTTGTCCATAGAGGCTTCAAGATAGATAGGTAAGAGCCCAGTAGT-GTTCATA 1560
           |||:|||||| |||||||  |||||||||||||||| |||||:|||||||||| ||||:||
Db    2508 CCTYTTTTTTNTCCATAGNNGCTTCAAGATAGATANGTAAGRGCCCAGTAGTNGTTCWTA 2567

Qy    1561 AGAAGCCAATAGAGAGCAGGAGCCACTTTA--TCAGGTGGCAGGTGTCCCGGGCCTCCCT 1618
           :||||| :||||::| |:|||:||| |||      |  |||||||||| |||:|||||
Db    2568 RGAAGCNMATAGRRANCRGGARCCANTTTNATCAGGTGGGCAGGTGTCCNNGGCYTCCCT 2627

Qy    1619 GCTGGCTAGTCCCAAGCGGTGGTGTTGCCAGGATGTCTTGGAGGTGATAATGGGACACAC 1678
           |||||:|  |||||||||||||||||||:|| :| |||||:||||||||||| | ||
Db    2628 GCTGGYTNNTCCCAAGCGGTGGTGTTGCCARGANKTNTTGGARGTGATAATGGGANANAC 2687

Qy    1679 --AGAGGCACTGAGTCTCCATAGGTTAAAATGCCACCAAAACTGGCCTTT-GCCTAATAT 1735
             ||||:|||||: |  |||||| |||||||||||||||||||||| |||||||||
Db    2688 CAGNAGGCMCTGAGTYNCNNTAGGTTNAAATGCCACCAAAACTGGCCTTTGGCCTAATAT 2747

Qy    1736 CCCTCATTGACTATTTAGCATTTAATTTATTTATTTTCCTGACATTTCTGCAAG-CTTTG 1794
           ||::| ||||:|| |||:||||||:||||||:|||| |||||||||| |||:|  |||||
Db    2748 CCYYCNTTGAMTANTTARCATTTAWTTTATTWATTTNCCTGACATTTNTGCMANCCTTTG 2807

Qy    1795 TATTTATATTTCCACTTTATAGATGAGGAAATTTGAGGCTCTTAGAGGTAAAATGACTTG 1854
           |:||| ||||||| || ||||:|:||:|||||||||| |:|||:||||||||| |||
Db    2808 TWTTTNTATTTCCNCTNTATARAWGARGAAATTTGAGGNTYTTARAGGTAAAATGANTTG 2867

Qy    1855 CCCAGGT-CACACAGGAAGTGGCAGAGACAAGCTTTTTAAATAAGAAAAAATTAATAAAA 1913
           | | :||  ||:|||||||||| :|:| || ||||||| || :|||||||||||||||||
Db    2868 CNCNRGTNNACMCAGGAAGTGGCNRARANAANCTTTTTANATNMGAAAAAATTAATAAAA 2927

Qy    1914 TATAATATGAGAGTAACTTAAAATATTAATAAACCACAATTTTAAATTAATTAACCGTGA 1973
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    2928 TATAATATGAGAGTAACTTAAAATATTAATAAACCACAATTTTAAATTAATTAACCGTGA 2987

Qy    1974 TAACCAACATTAATAAAAGTTAAGATACCAAAAAA 2008
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Db    2988 TAACCAACATTAATAAAAGTTAAGATACCAAAACA 3022


RESULT 4
US-09-898-751A-5
; Sequence 5, Application US/09898751A
; Patent No. US20020160024A1
; GENERAL INFORMATION:
;  APPLICANT: Oldham, Elizabeth R.
;  APPLICANT:  Soto, Hortensia
;  APPLICANT:  Liu, Ying
;  APPLICANT:  Hudak, Susan A.
;  APPLICANT:  Homey, Bernhard
;  APPLICANT:  Morales, Janine M.
;  APPLICANT:  Kellerman, Sirid-Aimee
;  APPLICANT:  McEvoy, Leslie M.
;  APPLICANT:  Bowman, Edward P.
;  APPLICANT:  Zlotnik, Albert
;  TITLE OF INVENTION: CHEMOKINE AND RECEPTOR USES; COMPOSITIONS; METHODS
;  FILE REFERENCE: DX0882XK
;  CURRENT APPLICATION NUMBER: US/09/898,751A
;  CURRENT FILING DATE:  2001-07-02
;  PRIOR APPLICATION NUMBER: US09/471,549
;  PRIOR FILING DATE: 1999-12-23
;  PRIOR APPLICATION NUMBER: US60/136,570
;  PRIOR FILING DATE: 1999-05-27
;  PRIOR APPLICATION NUMBER: US60/113,858
;  PRIOR FILING DATE: 1998-12-24
;  NUMBER OF SEQ ID NOS: 16
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 5
;   LENGTH: 731
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;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: CDS
;   LOCATION: (56)..(436)
;   OTHER INFORMATION:
;   NAME/KEY: mat_peptide
;   LOCATION: (122)..()
;   OTHER INFORMATION:
;   NAME/KEY: misc_feature
;   LOCATION: (529)..(529)
;   OTHER INFORMATION: unknown amino; may be "A", "C", or "G"
US-09-898-751A-5

  Query Match             24.7%;  Score 498;  DB 9;  Length 731;
  Best Local Similarity   100.0%;  Pred. No. 1.4e-103;
  Matches  498;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy      93 CTGATCGAACAGCCTCACTTGTGTTGCTGTCAGTGCCAGTAGGGCAGGCAGGAATGCAGC 152
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       3 CTGATCGAACAGCCTCACTTGTGTTGCTGTCAGTGCCAGTAGGGCAGGCAGGAATGCAGC 62

Qy     153 AGAGAGGACTCGCCATCGTGGCCTTGGCTGTCTGTGCGGCCCTACATGCCTCAGAAGCCA 212
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      63 AGAGAGGACTCGCCATCGTGGCCTTGGCTGTCTGTGCGGCCCTACATGCCTCAGAAGCCA 122

Qy     213 TACTTCCCATTGCCTCCAGCTGTTGCACGGAGGTTTCACATCATATTTCCAGAAGGCTCC 272
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     123 TACTTCCCATTGCCTCCAGCTGTTGCACGGAGGTTTCACATCATATTTCCAGAAGGCTCC 182

Qy     273 TGGAAAGAGTGAATATGTGTCGCATCCAGAGAGCTGATGGGGATTGTGACTTGGCTGCTG 332
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     183 TGGAAAGAGTGAATATGTGTCGCATCCAGAGAGCTGATGGGGATTGTGACTTGGCTGCTG 242

Qy     333 TCATCCTTCATGTCAAGCGCAGAAGAATCTGTGTCAGCCCGCACAACCATACTGTTAAGC 392
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     243 TCATCCTTCATGTCAAGCGCAGAAGAATCTGTGTCAGCCCGCACAACCATACTGTTAAGC 302

Qy     393 AGTGGATGAAAGTGCAAGCTGCCAAGAAAAAATGGTAAAGGAAATGTTTGCCACAGGAAGA 452
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     303 AGTGGATGAAAGTGCAAGCTGCCAAGAAAAAATGGTAAAGGAAATGTTTGCCACAGGAAGA 362

Qy     453 AACACCATGGCAAGAGGAACAGTAACAGGGCACATCAGGGGAAACACGAAACATACGGCC 512
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     363 AACACCATGGCAAGAGGAACAGTAACAGGGCACATCAGGGGAAACACGAAACATACGGCC 422

Qy     513 ATAAAACTCCTTATTAGAGAGTCTACAGATAAATCTACAGAGACAATTCCTCAAGTGGAC 572
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     423 ATAAAACTCCTTATTAGAGAGTCTACAGATAAATCTACAGAGACAATTCCTCAAGTGGAC 482

Qy     573 TTGGCCATGATTGGTTGT 590
           ||||||||||||||||||
Db     483 TTGGCCATGATTGGTTGT 500


RESULT 5
US-10-146-496-1
; Sequence 1, Application US/10146496
; Publication No. US20030031646A1
;   GENERAL INFORMATION:
;        APPLICANT: Vicari, Alain
;                   Morales, Janine M.
;                   Hedrick, Joseph A.
;                   Zlotnik, Albert
;        TITLE OF INVENTION: Mammalian Chemokines
;        NUMBER OF SEQUENCES: 12
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: DNAX Research Institute
;             STREET: 901 California Avenue
;             CITY: Palo Alto
;             STATE: California
;             COUNTRY: USA
;             ZIP: 94304-1104
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Floppy disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: PC-DOS/MS-DOS
;             SOFTWARE: PatentIn Release #1.0, Version #1.30
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/10/146,496
;             FILING DATE: 15-May-2002
;             CLASSIFICATION: <Unknown>
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: US/08/978,964A
;             FILING DATE: 26-NOV-1997
;             APPLICATION NUMBER: US xx/xxx,xxx
;             FILING DATE: 24-OCT-1997
;        ATTORNEY/AGENT INFORMATION:
;             NAME: Ching, Edwin P.
;             REGISTRATION NUMBER: 34,090
;             REFERENCE/DOCKET NUMBER: DX0684K1
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: (650)852-9196
;             TELEFAX: (650)496-1204
;    INFORMATION FOR SEQ ID NO: 1:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 731 base pairs
;             TYPE: nucleic acid
;             STRANDEDNESS: single
;             TOPOLOGY: linear
;        MOLECULE TYPE: cDNA
;        FEATURE:
;             NAME/KEY:  CDS
;             LOCATION:  56..436
;        FEATURE:
;             NAME/KEY:  mat_peptide
;             LOCATION:  122..436
;        FEATURE:
;             NAME/KEY:  misc_feature
;             LOCATION:  565
;             OTHER INFORMATION:  /note= "nucleotides 565 and 581
;             designated M, may be A or C"
;        FEATURE:
;             NAME/KEY:  misc_feature
;             LOCATION:  712
;             OTHER INFORMATION:  /note= "nucleotide 712 designated
;             N, may be A, C, G, or T"
;        SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-10-146-496-1

  Query Match             24.7%;  Score 498;  DB 9;  Length 731;
  Best Local Similarity   100.0%;  Pred. No. 1.4e-103;
  Matches  498;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy      93 CTGATCGAACAGCCTCACTTGTGTTGCTGTCAGTGCCAGTAGGGCAGGCAGGAATGCAGC 152
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       3 CTGATCGAACAGCCTCACTTGTGTTGCTGTCAGTGCCAGTAGGGCAGGCAGGAATGCAGC 62

Qy     153 AGAGAGGACTCGCCATCGTGGCCTTGGCTGTCTGTGCGGCCCTACATGCCTCAGAAGCCA 212
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      63 AGAGAGGACTCGCCATCGTGGCCTTGGCTGTCTGTGCGGCCCTACATGCCTCAGAAGCCA 122

Qy     213 TACTTCCCATTGCCTCCAGCTGTTGCACGGAGGTTTCACATCATATTTCCAGAAGGCTCC 272
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     123 TACTTCCCATTGCCTCCAGCTGTTGCACGGAGGTTTCACATCATATTTCCAGAAGGCTCC 182

Qy     273 TGGAAAGAGTGAATATGTGTCGCATCCAGAGAGCTGATGGGGATTGTGACTTGGCTGCTG 332
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     183 TGGAAAGAGTGAATATGTGTCGCATCCAGAGAGCTGATGGGGATTGTGACTTGGCTGCTG 242

Qy     333 TCATCCTTCATGTCAAGCGCAGAAGAATCTGTGTCAGCCCGCACAACCATACTGTTAAGC 392
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     243 TCATCCTTCATGTCAAGCGCAGAAGAATCTGTGTCAGCCCGCACAACCATACTGTTAAGC 302

Qy     393 AGTGGATGAAAGTGCAAGCTGCCAAGAAAAAATGGTAAAGGAAATGTTTGCCACAGGAAGA 452
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
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Db    303 AGTGGATGAAAGTGCAAGCTGCCAAGAAAAATGGTAAAGGAAATGTTTGCCACAGGAAGA 362

Qy    453 AACACCATGGCAAGAGGAACAGTAACAGGGCACATCAGGGGAAACACGAAACATACGGCC 512
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    363 AACACCATGGCAAGAGGAACAGTAACAGGGCACATCAGGGGAAACACGAAACATACGGCC 422

Qy    513 ATAAAACTCCTTATTAGAGAGTCTACAGATAAATCTACAGAGACAATTCCTCAAGTGGAC 572
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    423 ATAAAACTCCTTATTAGAGAGTCTACAGATAAATCTACAGAGACAATTCCTCAAGTGGAC 482

Qy    573 TTGGCCATGATTGGTTGT 590
          ||||||||||||||||||
Db    483 TTGGCCATGATTGGTTGT 500


RESULT 6
US-09-931-381A-1
; Sequence 1, Application US/09931381A
; Patent No. US20020137107A1
; GENERAL INFORMATION:
;  APPLICANT: Butcher, Eugene C.
;  APPLICANT:  Kunkel, Eric J.
;  APPLICANT:  Pan, Junliang
;  APPLICANT:  Soler-Ferran, Dulce
;  TITLE OF INVENTION: Method for Identifying Agents Which
;  TITLE OF INVENTION:  Modulate Chemokine "MEC"-Induced Functions of CCR3 and/or
;  TITLE OF INVENTION:  CCR10
;  FILE REFERENCE: 1855.2010-003
;  CURRENT APPLICATION NUMBER: US/09/931,381A
;  CURRENT FILING DATE:  2001-08-15
;  PRIOR APPLICATION NUMBER: U.S. 09/638,914
;  PRIOR FILING DATE: 2000-08-15
;  NUMBER OF SEQ ID NOS: 24
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1
;   LENGTH: 768
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: CDS
;   LOCATION: (53)...(436)
US-09-931-381A-1

  Query Match             24.6%;  Score 497;  DB 10;  Length 768;
  Best Local Similarity   100.0%;  Pred. No. 2.4e-103;
  Matches  497;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy     94 TGATCGAACAGCCTCACTTGTGTTGCTGTCAGTGCCAGTAGGGCAGGCAGGAATGCAGCA 153
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      1 TGATCGAACAGCCTCACTTGTGTTGCTGTCAGTGCCAGTAGGGCAGGCAGGAATGCAGCA 60

Qy    154 GAGAGGACTCGCCATCGTGGCCTTGGCTGTCTGTGCGGCCCTACATGCCTCAGAAGCCAT 213
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     61 GAGAGGACTCGCCATCGTGGCCTTGGCTGTCTGTGCGGCCCTACATGCCTCAGAAGCCAT 120

Qy    214 ACTTCCCATTGCCTCCAGCTGTTGCACGGAGGTTTCACATCATATTTCCAGAAGGCTCCT 273
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    121 ACTTCCCATTGCCTCCAGCTGTTGCACGGAGGTTTCACATCATATTTCCAGAAGGCTCCT 180

Qy    274 GGAAAGAGTGAATATGTGTCGCATCCAGAGAGCTGATGGGGATTGTGACTTGGCTGCTGT 333
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    181 GGAAAGAGTGAATATGTGTCGCATCCAGAGAGCTGATGGGGATTGTGACTTGGCTGCTGT 240

Qy    334 CATCCTTCATGTCAAGCGCAGAAGAATCTGTGTCAGCCCGCACAACCATACTGTTAAGCA 393
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    241 CATCCTTCATGTCAAGCGCAGAAGAATCTGTGTCAGCCCGCACAACCATACTGTTAAGCA 300

Qy    394 GTGGATGAAAGTGCAAGCTGCCAAGAAAAATGGTAAAGGAAATGTTTGCCACAGGAAGAA 453
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    301 GTGGATGAAAGTGCAAGCTGCCAAGAAAAATGGTAAAGGAAATGTTTGCCACAGGAAGAA 360

Qy    454 ACACCATGGCAAGAGGAACAGTAACAGGGCACATCAGGGGAAACACGAAACATACGGCCA 513
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||

Db    361 ACACCATGGCAAGAGGAACAGTAACAGGGCACATCAGGGGAAACACGAAACATACGGCCA 420

Qy    514 TAAAACTCCTTATTAGAGAGTCTACAGATAAATCTACAGAGACAATTCCTCAAGTGGACT 573
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    421 TAAAACTCCTTATTAGAGAGTCTACAGATAAATCTACAGAGACAATTCCTCAAGTGGACT 480

Qy    574 TGGCCATGATTGGTTGT 590
          ||||||||||||||||||
Db    481 TGGCCATGATTGGTTGT 497


RESULT 7
US-10-146-496-3
; Sequence 3, Application US/10146496
; Publication No. US20030031646A1
;  GENERAL INFORMATION:
;       APPLICANT: Vicari, Alain
;                  Morales, Janine M.
;                  Hedrick, Joseph A.
;                  Zlotnik, Albert
;       TITLE OF INVENTION: Mammalian Chemokines
;       NUMBER OF SEQUENCES: 12
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE: DNAX Research Institute
;            STREET: 901 California Avenue
;            CITY: Palo Alto
;            STATE: California
;            COUNTRY: USA
;            ZIP: 94304-1104
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: Floppy disk
;            COMPUTER: IBM PC compatible
;            OPERATING SYSTEM: PC-DOS/MS-DOS
;            SOFTWARE: PatentIn Release #1.0, Version #1.30
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER: US/10/146,496
;            FILING DATE: 15-May-2002
;            CLASSIFICATION: <Unknown>
;       PRIOR APPLICATION DATA:
;            APPLICATION NUMBER: US/08/978,964A
;            FILING DATE: 26-NOV-1997
;            APPLICATION NUMBER: US xx/xxx,xxx
;            FILING DATE: 24-OCT-1997
;       ATTORNEY/AGENT INFORMATION:
;            NAME: Ching, Edwin P.
;            REGISTRATION NUMBER: 34,090
;            REFERENCE/DOCKET NUMBER: DX0684K1
;       TELECOMMUNICATION INFORMATION:
;            TELEPHONE: (650)852-9196
;            TELEFAX: (650)496-1204
;  INFORMATION FOR SEQ ID NO: 3:
;       SEQUENCE CHARACTERISTICS:
;            LENGTH: 496 base pairs
;            TYPE: nucleic acid
;            STRANDEDNESS: single
;            TOPOLOGY: linear
;       MOLECULE TYPE: cDNA
;       SEQUENCE DESCRIPTION: SEQ ID NO: 3:
US-10-146-496-3

  Query Match             18.3%;  Score 369.6;  DB 9;  Length 496;
  Best Local Similarity   85.0%;  Pred. No. 1.6e-74;
  Matches  420;  Conservative    0;  Mismatches   70;  Indels    4;  Gaps    2;

Qy     91 TCCTGATCGAACAGCCTCACTTGTGTTGCTGTCAGTGCCAGTAGGGCAGGCAGGAATGCA 150
          |||||||||||||||||||||| ||||||||||||||||||||||||||||||||||||||
Db      1 TCCTGATCGAACAGCCTCACTTGTNTTGCTGTCAGTGCCAGTAGGGCAGGCAGGAATGCA 60

Qy    151 GCAGAGAGGACTCGCCATCGTGGCCTTGGCTGTCTGTGCGGCCCTACATGCCTCAGAAGC 210
          |||||||||||||||||||||||||||| |||||||||||||||||||||||| ||||
Db     61 GCAGAGAGGACTCGCCATCGTGGCCTTGGNTGTCTGTGCGGCCCTACATGCCTCAAAAGC 120

Qy    211 CATACTTCCCATTGCCTCCAGCTGTTGCACGGAGGTTTCACATCATATTTCCAGAAGGCT 270
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          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    121 CATACTTCCCATTGCCTCCAGCTGTTGCACGGAGGTTTCACATCATATTTCCAGAAGGCT 180

Qy    271 CCT-GGAAAGAGTGAATATGTGTCGCATCCAGAGAGCTGATGGGGATTGTGACTTGGCTG 329
          ||| ||||||||||||||||||||||||||||||||||||||||||||||||| |||||||||
Db    181 CCTGGGAAAGAGTGAATATGTGTCGCATCCAGAGAGCTGATGGGGATTGTNACTTGGCTG 240

Qy    330 CTGTCATCCTTCATGTCAAGCGCAGAAGAATCTGTGTCAGCCCGCACAACCATACTGTTA 389
          |||||||||||||||||||||||||||||||| |||||||| ||||||||||||||||
Db    241 CTGTCATCCTTCATGTCAAGCGCAGAAGAATCTGTNTCAGCCCGNACAACCATACTGTTA 300

Qy    390 AGCAGTGGATGAAAGTGCAAGCTGCCAAGAAAAAATGGTAAAGGAAATGTTTGCCACAGGA 449
          |||||||| |||||||||||||| ||||| |||||||||||||||||| ||| |||||||
Db    301 AGCAGTGGNTGAAAGTGCAAGTTGCCAGGAAAAAATGGTAAAGGAAATTTTTTCCACAGGG 360

Qy    450 AG---AAACACCATGGCAAGAGGAACAGTAACAGGGCACATCAGGGGAAACACGAAACAT 506
            |   | || |   | | | |   | || ||||| || |  |||||||   ||||  |
Db    361 NGGAAACACCCTGGGNAAGGGGANCCGTTACCAGGGNACTTNNGGGGAAANGGGAAANTT 420

Qy    507 ACGGCCATAAAACTCCTTATTAGAGAGTCTACAGATAAATCTACAGAGACAATTCCTCAA 566
            |||   |||| ||| | ||   | |  |  || |||| |     |  ||||   | |
Db    421 NGGGCNTNAAAAATCCCTTTTNNGGGGNTTTAAGGTAAATTTTNNNGGGAAATTTTCCNA 480

Qy    567 GTGGACTTGGCCAT 580
          | ||  |||| |||
Db    481 GGGGNTTTGGNCAT 494


RESULT 8
US-09-964-824A-56/c
; Sequence 56, Application US/09964824A
; Patent No. US20020102531A1
; GENERAL INFORMATION:
;  APPLICANT: Horrigan, Stephen
;  TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using Signatu
;  TITLE OF INVENTION:  Sets
;  FILE REFERENCE: 689290-73
;  CURRENT APPLICATION NUMBER: US/09/964,824A
;  CURRENT FILING DATE:  2001-09-27
;  PRIOR APPLICATION NUMBER: US/60/236,033
;  PRIOR FILING DATE: 2000-09-28
;  PRIOR APPLICATION NUMBER: US/60/236,032
;  PRIOR FILING DATE: 2000-09-28
;  PRIOR APPLICATION NUMBER: US/60/236,028
;  PRIOR FILING DATE: 2000-09-28
;  NUMBER OF SEQ ID NOS: 583
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 56
;   LENGTH: 472
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (1)...(472)
;   OTHER INFORMATION: n=a,t,g or c
US-09-964-824A-56

  Query Match             17.9%;  Score 361.8;  DB 10;  Length 472;
  Best Local Similarity   99.2%;  Pred. No. 9.4e-73;
  Matches  374;  Conservative    0;  Mismatches    2;  Indels    1;  Gaps    1;

Qy   1633 AGCGGTGGTGTTGCCAGGATGTCTTGGAGGTGATAATGGGACACACAGAGGCACTGAGTC 1692
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    471 AGCGGTGGTGTTGCCAGGATGTCTTGGAGGTGATAATGGGACACACAGAGGCACTGAGTC 412

Qy   1693 TCCATAGGTTAAAATG-CCACCAAAACTGGCCTTTGCCTAATATCCCTCATTGACTATTT 1751
          |||||||||||||||| ||||||||||||||||||||||||||||||||||||||||||
Db    411 TCCATAGGTTAAAATGCCCACCAAAACTGGCCTTTGCCTAATATCCCTCATTGACTATTT 352

Qy   1752 AGCATTTAATTTATTTATTTTCCTGACATTTCTGCAAGCTTTGTATTTATATTTCCACTT 1811
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    351 GGCATTTAATTTATTTATTTTCCTGACATTTCTGCAAGCTTTGTATTTATATTTCCACTT 292

Qy   1812 TATAGATGAGGAAATTTGAGGCTCTTAGAGGTAAAATGACTTGCCCAGGTCACACAGGAA 1871
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     291 TATAGATGAGGAAATTTGAGGCTCTTAGAGGTAAAATGACTTGCCCAGGTCACACAGGAA 232

Qy   1872 GTGGCAGAGACAAGCTTTTTAAATAAGAAAAAATTAATAAAATATAATATGAGAGTAACT 1931
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     231 GTGGCAGAGACAAGCTTTTTAAATAAGAAAAAATTAATAAAATATAATATGAGAGTAACT 172

Qy   1932 TAAAATATTAATAAACCACAATTTTAAATTAATTAACCGTGATAACCAACATTAATAAAA 1991
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     171 TAAAATATTAATAAACCACAATTTTAAATTAATTAACCGTGATAACCAACATTAATAAAA 112

Qy   1992 GTTAAGATACCAAAAAA 2008
          |||||||||||||| |
Db     111 GTTAAGATACCAAAACA 95


RESULT 9
US-09-834-794A-11/c
; Sequence 11, Application US/09834794A
; Publication No. US20030026777A1
; GENERAL INFORMATION:
;  APPLICANT: Lawrence, Papsidero
;  APPLICANT:  Lyn, Dyster
;  APPLICANT:  Jana, Frustaci
;  TITLE OF INVENTION: Detection and Treatment of Breast Cancer
;  FILE REFERENCE: 3380/1I127-US4
;  CURRENT APPLICATION NUMBER: US/09/834,794A
;  CURRENT FILING DATE:  2001-04-13
;  PRIOR APPLICATION NUMBER: 09/146,580
;  PRIOR FILING DATE: 1998-09-03
;  PRIOR APPLICATION NUMBER: 60/071,899
;  PRIOR FILING DATE: 1998-01-20
;  PRIOR APPLICATION NUMBER: 60/092,155
;  PRIOR FILING DATE: 1998-07-09
;  NUMBER OF SEQ ID NOS: 35
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 11
;   LENGTH: 311
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: unsure
;   LOCATION: (101)..(101)
;   OTHER INFORMATION: n may be a or g or c or t/u
;   NAME/KEY: unsure
;   LOCATION: (162)..(162)
;   OTHER INFORMATION: n may be a or g or c or t/u
US-09-834-794A-11

  Query Match             15.0%;  Score 302;  DB 9;  Length 311;
  Best Local Similarity   99.3%;  Pred. No. 2.9e-59;
  Matches  302;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy    208 AGCCATACTTCCCATTGCCTCCAGCTGTTGCACGGAGGTTTCACATCATATTTCCAGAAG 267
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    311 AGCCATACTTCCCATTGCCTCCAGCTGTTGCACGGAGGTTTCACATCATATTTCCAGAAG 252

Qy    268 GCTCCTGGAAAGAGTGAATATGTGTCGCATCCAGAGAGCTGATGGGGATTGTGACTTGGC 327
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    251 GCTCCTGGAAAGAGTGAATATGTGTCGCATCCAGAGAGCTGATGGGGATTGTGACTTGGC 192

Qy    328 TGCTGTCATCCTTCATGTCAAGCGCAGAAGAATCTGTGTCAGCCCGCACAACCATACTGT 387
          |||||||||||||||||||||||||||||| ||||||||||||||||||||||||||||||
Db    191 TGCTGTCATCCTTCATGTCAAGCGCAGAANAATCTGTGTCAGCCCGCACAACCATACTGT 132

Qy    388 TAAGCAGTGGATGAAAGTGCAAGCTGCCAAGAAAAAATGGTAAAGGAAATGTTTGCCACAG 447
          |||||||||||||||||||||||||||||| ||||||||||||||||||||||||||||||
Db    131 TAAGCAGTGGATGAAAGTGCAAGCTGCCAANAAAAATGGTAAAGGAAATGTTTGCCACAG 72

Qy    448 GAAGAAACACCATGGCAAGAGGAACAGTAACAGGGCACATCAGGGGAAACACGAAACATA 507
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     71 GAAGAAACACCATGGCAAGAGGAACAGTAACAGGGCACATCAGGGGAAACACGAAACATA 12
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Qy      508 CGGC 511
            ||||
Db       11 CGGC 8


RESULT 10
US-09-834-795A-11/c
; Sequence 11, Application US/09834795A
; Patent No. US20020076710A1
; GENERAL INFORMATION:
;  APPLICANT: Lawrence, Papsidero
;  APPLICANT:  Lyn, Dyster
;  APPLICANT:  Jana, Frustaci
;  TITLE OF INVENTION: Detection and Treatment of Breast Cancer
;  FILE REFERENCE: 3380/1I127-US3
;  CURRENT APPLICATION NUMBER: US/09/834,795A
;  CURRENT FILING DATE:  2001-04-12
;  PRIOR APPLICATION NUMBER: 09/146,580
;  PRIOR FILING DATE: 1998-09-03
;  PRIOR APPLICATION NUMBER: 60/071,899
;  PRIOR FILING DATE: 1998-01-20
;  PRIOR APPLICATION NUMBER: 60/092,155
;  PRIOR FILING DATE: 1998-07-09
;  NUMBER OF SEQ ID NOS: 35
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 11
;   LENGTH: 311
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: unsure
;   LOCATION: (101)..(101)
;   OTHER INFORMATION: n may be a or g or c or t/u
;   NAME/KEY: unsure
;   LOCATION: (162)..(162)
;   OTHER INFORMATION: n may be a or g or c or t/u
US-09-834-795A-11

  Query Match             15.0%;  Score 302;  DB 10;  Length 311;
  Best Local Similarity   99.3%;  Pred. No. 2.9e-59;
  Matches  302;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy      208 AGCCATACTTCCCATTGCCTCCAGCTGTTGCACGGAGGTTTCACATCATATTTCCAGAAG 267
            ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      311 AGCCATACTTCCCATTGCCTCCAGCTGTTGCACGGAGGTTTCACATCATATTTCCAGAAG 252

Qy      268 GCTCCTGGAAAGAGTGAATATGTGTCGCATCCAGAGAGCTGATGGGGATTGTGACTTGGC 327
            ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      251 GCTCCTGGAAAGAGTGAATATGTGTCGCATCCAGAGAGCTGATGGGGATTGTGACTTGGC 192

Qy      328 TGCTGTCATCCTTCATGTCAAGCGCAGAAGAATCTGTGTCAGCCCGCACAACCATACTGT 387
            ||||||||||||||||||||||||||||| ||||||||||||||||||||||||||||||
Db      191 TGCTGTCATCCTTCATGTCAAGCGCAGAANAATCTGTGTCAGCCCGCACAACCATACTGT 132

Qy      388 TAAGCAGTGGATGAAAGTGCAAGCTGCCAAGAAAAATGGTAAAGGAAATGTTTGCCACAG 447
            |||||||||||||||||||||||||||| ||||||||||||||||||||||||||||||
Db      131 TAAGCAGTGGATGAAAGTGCAAGCTGCCAANAAAAATGGTAAAGGAAATGTTTGCCACAG 72

Qy      448 GAAGAAACACCATGGCAAGAGGAACAGTAACAGGGCACATCAGGGGAAACACGAAACATA 507
            ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       71 GAAGAAACACCATGGCAAGAGGAACAGTAACAGGGCACATCAGGGGAAACACGAAACATA 12

Qy      508 CGGC 511
            ||||
Db       11 CGGC 8


RESULT 11
US-10-146-496-4
; Sequence 4, Application US/10146496
; Publication No. US20030031646A1
;   GENERAL INFORMATION:
;        APPLICANT: Vicari, Alain
;                   Morales, Janine M.
;                   Hedrick, Joseph A.
;                   Zlotnik, Albert
;        TITLE OF INVENTION: Mammalian Chemokines
;        NUMBER OF SEQUENCES: 12
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: DNAX Research Institute
;             STREET: 901 California Avenue
;             CITY: Palo Alto
;             STATE: California
;             COUNTRY: USA
;             ZIP: 94304-1104
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Floppy disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: PC-DOS/MS-DOS
;             SOFTWARE: PatentIn Release #1.0, Version #1.30
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/10/146,496
;             FILING DATE: 15-May-2002
;             CLASSIFICATION: <Unknown>
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: US/08/978,964A
;             FILING DATE: 26-NOV-1997
;             APPLICATION NUMBER: US xx/xxx,xxx
;             FILING DATE: 24-OCT-1997
;        ATTORNEY/AGENT INFORMATION:
;             NAME: Ching, Edwin P.
;             REGISTRATION NUMBER: 34,090
;             REFERENCE/DOCKET NUMBER: DX0684K1
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: (650)852-9196
;             TELEFAX: (650)496-1204
;   INFORMATION FOR SEQ ID NO: 4:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 445 base pairs
;             TYPE: nucleic acid
;             STRANDEDNESS: single
;             TOPOLOGY: linear
;        MOLECULE TYPE: cDNA
;        SEQUENCE DESCRIPTION: SEQ ID NO: 4:
US-10-146-496-4

  Query Match             13.0%;  Score 261.4;  DB 9;  Length 445;
  Best Local Similarity   88.8%;  Pred. No. 5.8e-50;
  Matches  324;  Conservative    0;  Mismatches   37;  Indels    4;  Gaps    4;

Qy      201 CCTCAGAAGCCATACTTCCCATTGCCTCCAGCTGTTGCACGGAGGTTTCACATCATATTT 260
            |||||  ||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       78 CCTCACCAGCCATACTTCCCATTGCCTCCAGCTGTTGCACGGAGGTTTCACATCATATTT 137

Qy      261 CCAGAAGGCTCCTGG-AAAGAGTGAATATGTGTCGCATCCAGAGAGCTGATGGGGATTGT 319
            ||||||||||||||| |||||||||||||||||||||||||||||||||||||||||||
Db      138 CCAGAAGGCTCCTGGNAAAGAGTGAATATGTGTCGCATCCAGAGAGCTGATGGGGATTGT 197

Qy      320 GACTTGGCTGCTGTCATCCTTCATGTCAAGCGCAGAAGAATCTGTG-TCAGCCCGCACAA 378
            |||||||||||||||||||||||||||||||||||||||||||||| ||||||||||||
Db      198 GACTTGGCTGCTGTCATCCTTCATGTCAAGCGCAGAAGAATCTGTGTTCAGCCCGCACAA 257

Qy      379 CCATACTGTT-AAGCAGTGGATGAAAGTGCAAGCTGCCAAGAAAAATGGTAAAGGAAATG 437
            |||||||||| ||||||||||||||||||||||||||||||||||||||||||||||||||
Db      258 CCATACTGTTGAAGCAGTGGATGAAAGTGCAAGCTGCCAAGAAAAATGGTAAAGGAAATG 317

Qy      438 TTTGCCACAGGAAGAAACACCATGGCAAGAGGAACAGTAACAGGGCACATCAGGGGAAAC 497
            |||||||||||||||||||  |||||||||||||  |||||||      ||||||||||
Db      318 TTTGCCACAGGAAGAAACACC-NGGCAAGAGGAACATTAACAGGNACTTCCAGGGGAAAC 376

Qy      498 ACGAAACATACGGCCATAAAACTCCTTATTAGAGAGTCTACAGATAAATCTACAGAGACA 557
            |||||||  |||| |   |||   | |  |  ||||  |      | || |||| | ||||
Db      377 ACGAAACTNACGGGCCNGAAAAATCCTTATTTAGAGATTNACCGTTAANCTACCGGGACA 436

Qy      558 ATTCC 562
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Db    437 TTCCC 441


RESULT 12
US-09-764-869-1945/c
; Sequence 1945, Application US/09764869
; Patent No. US20020061521A1
; GENERAL INFORMATION:
;  APPLICANT: Rosen et al.
;  TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
;  FILE REFERENCE: PC007
;  CURRENT APPLICATION NUMBER: US/09/764,869
;  CURRENT FILING DATE:  2001-01-17
;  Prior application data removed - refer to PALM or file wrapper
;  NUMBER OF SEQ ID NOS: 2442
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1945
;   LENGTH: 17397
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-764-869-1945

  Query Match             11.3%;  Score 228.6;  DB 10;  Length 17397;
  Best Local Similarity   59.2%;  Pred. No. 1e-41;
  Matches  493;  Conservative    0;  Mismatches  314;  Indels   26;  Gaps    5;

Qy     648 TTTTAAAAAATGAACAATTGTGCGGTATGCAAATGTAGCCAATAATATACTCAAACTCCT 707
           |||| |   | | ||     ||| |    |||| | | ||  |   ||  |||||||
Db   16308 TTTTGTATTTTTAGTAAAGACAGGGTTTCACCATGTTGGCCATGCTGGTCTTGAACTCCT 16249

Qy     708 GGGCTCAAGCGATCCTCCCACCTTAGCCTCCCAAAGTACTGGGATTATAGGTGTGAGCCA 767
           |  |||| | ||||| ||  |||| ||||||||||||| ||||||||||||||||||||
Db   16248 GACCTCAGGTGATCCGCCTGCCTTGGCCTCCCAAAGTGCTGGGATTATAGGTGTGAGCCA 16189

Qy     768 CAGTGCCTGGCCTAATTATTTTCTTGTGATCAAATTCAGGTTTAATGTTTTTGGTTAAGA 827
           | | |||  |||| |   | || ||  |       | | |     |||   |  |  | |
Db   16188 CCGCGCCCAGCCTCAAATTATTATTTTTTAATTGCTGAAGAGATTTGTGCATTTTAGAAA 16129

Qy     828 ATTTCCTACGTGAATTCGTGTACTTATTTTGTCATTTAGAGTTCATAAATATTAGGGTTT 887
           | ||   |          || | |     ||||   | ||  | |     ||
Db   16128 ACTTAGAA----------------AATATAGGAGAGCAGAGAGAAAAATCACTCATAATT 16085

Qy     888 ATTTTCTAAATAGAATAGTTTAAACTAAATATAACTTCAAAACGTCTAGTTTGAGTAGCT 947
             |      |   |||    ||  |  |  |  | ||    |  | | || | |||  ||
Db   16084 TCTCCACCCAAGAAATTTCATACCCCTATAAACATTTTGCCATATATGGTCTCAGTTTCT 16025

Qy     948 ACCGTTGTTTGG--ATTGAAATTTTCTGATACTGAAAAGAACAAAAAGCCTGCCTTTCTG 1005
           ||||  | |  |   ||    | | | ||  | | ||  | | |||  |   || |||
Db   16024 TCCGTGGCTGTGTATTTTTGCCTCTGTTATCTTAATAAATAAATAAACTCACTCTGTCTC 15965

Qy    1006 CCCAGAACCTTTTGCCTCCCCCAGTCAGTTCTTGGAGCAGCACTAGTTAGGGGCCCAGAG 1065
           ||  |      |    |||||||  |    |||||   |  |  | |  | | ||||
Db   15964 CCAGGCTGGAGTACAGTGGTGCAGTCAGAGCCCACAGCAGGCTTGATCTGAGCTCAAGTG 15905

Qy    1066 TTCGGCCTTCTGTGTGGTGATTTTACGCTCTGCCTAAACAAGGAGCCTACATCTTTTAGC 1125
           ||  |   ||  |          ||      ||    ||||   || |    |      ||
Db   15904 ATCTCCTGCCTCAGCCTCCTGAGTA------GCTGGGACAACAGGCATGAGCCACACTGC 15851

Qy    1126 TCCTATTCCACCCTTCTCACACGTTTTTGTTGTTGTTTGGTTGTTTTTTTTTTGAGACAGA 1185
           ||   ||       |||    || | ||| || |  ||   || |  | ||||||||||||
Db   15850 TCAGTTTATGTATTTCATTTACTTATTTATT-TATTTATTTTTTAATGTTTTGAGACAGA 15792

Qy    1186 GTCTCACTCTGTTGCCCAGGCTGGAGTGCAGTGGCACAATCTCGGCTCATTGCAACCTCC 1245
           ||||  |||| |  |||||  |||||||||||||| ||||||||||| |||||||||
Db   15791 GTCTTGCTCTTTCACCCAGAGTGGAGTGCAGTGGCATAATCTCGGCTCACTGCAACCTCT 15732

Qy    1246 GCCTCCCGCGTTCAAGTGATTCTCTTGCCTCAGCCTCCCAAGTAACTGATATTACAGGCG 1305
           |||||||| |||||||||||||| ||| |||||||||||||| |||  ||||||||  |
Db   15731 GCCTCCCGGGTTCAAGTGATTCTCGTGCTTCAGCCTCCCAAGTAGCTGGGATTACAGGTG 15672

Qy    1306 CCCAGCCACCACACCCCGCTGATTTTTGTATTTTTAGTAGAGACGGGGTTTTCCCACGTT 1365
              ||||||||||  ||| |||||||||||||||||| |||| | ||||| ||| |||
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Db   15671 -TGTGCCACCACACCTGGCTAATTTTTGTATTTTTAGTAAAGACAGCGTTTTACCATGTT 15613

Qy    1366 GGCCGGGCTGGTCTCAAACTCTTGACCTCAAGTGAACCACCCGCCTGTGCCTCCCAAAGT 1425
           ||||  ||||||||  |||  |  || |||||||| |||||  ||||  |||||||||| |
Db   15612 GGCCAAGCTGGTCTTGAACACCCGAGCTCAAGTGATCCACCTGCCTTGGCCTCCCAAACT 15553

Qy    1426 GCTGGAATTACCAGCGTGAGCCACCATGCCGGGCTCACACGTTTGAGTTGATA 1478
           ||||| |||||  | ||||||||||  |||  || ||      |  | || |||
Db   15552 GCTGGGATTACAGGTGTGAGCCACCGCGCCCAGCCCAGCTTATATATTTTATA 15500


RESULT 13
US-09-764-869-1943/c
; Sequence 1943, Application US/09764869
; Patent No. US20020061521A1
; GENERAL INFORMATION:
;  APPLICANT: Rosen et al.
;  TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
;  FILE REFERENCE: PC007
;  CURRENT APPLICATION NUMBER: US/09/764,869
;  CURRENT FILING DATE:  2001-01-17
;  Prior application data removed - refer to PALM or file wrapper
;  NUMBER OF SEQ ID NOS: 2442
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1943
;   LENGTH: 19334
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-764-869-1943

  Query Match             11.3%;  Score 228.6;  DB 10;  Length 19334;
  Best Local Similarity   59.2%;  Pred. No. 1.1e-41;
  Matches  493;  Conservative    0;  Mismatches  314;  Indels   26;  Gaps    5;

Qy     648 TTTTAAAAAATGAACAATTGTGCGGTATGCAAATGTAGCCAATAATATACTCAAACTCCT 707
           ||||  |   | |  ||      ||| |    |||| | | ||  |   ||  |||||||
Db   16301 TTTTGTATTTTTAGTAAAGACAGGGTTTCACCATGTTGGCCATGCTGGTCTTGAACTCCT 16242

Qy     708 GGGCTCAAGCGATCCTCCCACCTTAGCCTCCCAAAGTACTGGGATTATAGGTGTGAGCCA 767
           |  |||| | ||||| ||  |||| ||||||||||||| ||||||||||||||||||||
Db   16241 GACCTCAGGTGATCCGCCTGCCTTGGCCTCCCAAAGTGCTGGGATTATAGGTGTGAGCCA 16182

Qy     768 CAGTGCCTGGCCTAATTATTTTCTTGTGATCAAATTCAGGTTTAATGTTTTTGGTTAAGA 827
           | | |||  |||| |   | || ||  |       | | |     |||   |  |  | |
Db   16181 CCGCGCCCAGCCTCAAATTATTATTTTTTAATTGCTGAAGAGATTTGTGCATTTTAGAAA 16122

Qy     828 ATTTCCTACGTGAATTCGTGTACTTATTTTGTCATTTAGAGTTCATAAATATTAGGGTTT 887
           | ||   |                    || | |     ||||   | |||  | |     ||
Db   16121 ACTTAGAA----------------AATATAGGAGAGCAGAGAGAAAAATCACTCATAATT 16078

Qy     888 ATTTTCTAAATAGAATAGTTTAAACTAAATATAACTTCAAAACGTCTAGTTTGAGTAGCT 947
             |      |   |||    ||  |  |  |  | ||    |  | | || | |||  ||
Db   16077 TCTCCACCCAAGAAATTTCATACCCCTATAAACATTTTGCCATATATGGTCTCAGTTTCT 16018

Qy     948 ACCGTTGTTTGG--ATTGAAATTTTCTGATACTGAAAAGAACAAAAAGCCTGCCTTTCTG 1005
           ||||  | |  |   ||    | | | ||  | | ||  | | |||  |   || |||
Db   16017 TCCGTGGCTGTGTATTTTTGCCTCTGTTATCTTAATAAATAAATAAACTCACTCTGTCTC 15958

Qy    1006 CCCAGAACCTTTTGCCTCCCCCAGTCAGTTCTTGGAGCAGCACTAGTTAGGGGCCCAGAG 1065
           ||  |      |    |||||||  |    |||||   |  |  | |  | | ||||
Db   15957 CCAGGCTGGAGTACAGTGGTGCAGTCAGAGCCCACAGCAGGCTTGATCTGAGCTCAAGTG 15898

Qy    1066 TTCGGCCTTCTGTGTGGTGATTTTACGCTCTGCCTAAACAAGGAGCCTACATCTTTTAGC 1125
           ||  |   ||  |          ||      ||    ||||   || |    |      ||
Db   15897 ATCTCCTGCCTCAGCCTCTTGAGTA------GCTGGGACAACAGGCATGAGCCACACTGC 15844

Qy    1126 TCCTATTCCACCCTTCTCACACGTTTTTGTTGTTGTTTGGTTGTTTTTTTTTGAGACAGA 1185
           ||   ||       |||    || | ||| || |  ||   || |  | ||||||||||||
Db   15843 TCAGTTTATGTATTTCATTTACTTATTTATT-TATTTATTTTTTAATGTTTTGAGACAGA 15785

Qy    1186 GTCTCACTCTGTTGCCCAGGCTGGAGTGCAGTGGCACAATCTCGGCTCATTGCAACCTCC 1245
           ||||  |||| |  |||||  |||||||||||||| ||||||||||| |||||||||
Db   15784 GTCTTGCTCTTTCACCCAGAGTGGAGTGCAGTGGCATAATCTCGGCTCACTGCAACCTCT 15725
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Qy   1246 GCCTCCCGCGTTCAAGTGATTCTCTTGCCTCAGCCTCCCAAGTAACTGATATTACAGGCG 1305
          ||||||| ||||||||||||||| ||| |||||||||||||| |||  |||||||  |
Db  15724 GCCTCCCGGGTTCAAGTGATTCTCGTGCTTCAGCCTCCCAAGTAGCTGGGATTACAGGTG 15665

Qy   1306 CCCAGCCACCACACCCCGCTGATTTTTGTATTTTTAGTAGAGACGGGGTTTTCCCACGTT 1365
               ||||||||||  ||| ||||||||||||||||| |||| | ||||| ||| |||
Db  15664 -TGTGCCACCACACCTGGCTAATTTTTGTATTTTTAGTAAAGACAGCGTTTTACCATGTT 15606

Qy   1366 GGCCGGGCTGGTCTCAAACTCTTGACCTCAAGTGAACCACCCGCCTGTGCCTCCCAAAGT 1425
          ||||  ||||||||  ||| |  || |||||||| ||||| |||| |||||||||| |
Db  15605 GGCCAAGCTGGTCTTGAACACCCGAGCTCAAGTGATCCACCTGCCTTGGCCTCCCAAACT 15546

Qy   1426 GCTGGAATTACCAGCGTGAGCCACCATGCCGGGCTCACACGTTTGAGTTGATA 1478
          ||||| |||||  | ||||||||||  |||  || ||      |  | || |||
Db  15545 GCTGGGATTACAGGTGTGAGCCACCGCGCCCAGCCCAGCTTATATATTTTATA 15493


RESULT 14
US-09-764-869-1944/c
; Sequence 1944, Application US/09764869
; Patent No. US20020061521A1
; GENERAL INFORMATION:
;  APPLICANT: Rosen et al.
;  TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
;  FILE REFERENCE: PC007
;  CURRENT APPLICATION NUMBER: US/09/764,869
;  CURRENT FILING DATE:  2001-01-17
;  Prior application data removed - refer to PALM or file wrapper
;  NUMBER OF SEQ ID NOS: 2442
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1944
;   LENGTH: 19345
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-764-869-1944

  Query Match          11.3%;  Score 228.6;  DB 10;  Length 19345;
  Best Local Similarity   59.2%;  Pred. No. 1.1e-41;
  Matches  493;  Conservative    0;  Mismatches  314;  Indels   26;  Gaps.   5;

Qy    648 TTTTAAAAAATGAACAATTGTGCGGTATGCAAATGTAGCCAATAATATACTCAAACTCCT 707
          ||||  |   | |  ||      ||| |    |||| | | ||  |   ||  |||||||
Db  16309 TTTTGTATTTTTAGTAAAGACAGGGTTTCACCATGTTGGCCATGCTGGTCTTGAACTCCT 16250

Qy    708 GGGCTCAAGCGATCCTCCCACCTTAGCCTCCCAAAGTACTGGGATTATAGGTGTGAGCCA 767
          |  |||| | ||||| ||  |||| |||||||||||| ||||||||||||||||||||||
Db  16249 GACCTCAGGTGATCCGCCTGCCTTGGCCTCCCAAAGTGCTGGGATTATAGGTGTGAGCCA 16190

Qy    768 CAGTGCCTGGCCTAATTATTTTCTTGTGATCAAATTCAGGTTTAATGTTTTTGGTTAAGA 827
          | | |||  |||| |   | || || |      | | |     |||   |  |  | |
Db  16189 CCGCGCCCAGCCTCAAATTATTATTTTTTAATTGCTGAAGAGATTTGTGCATTTTAGAAA 16130

Qy    828 ATTTCCTACGTGAATTCGTGTACTTATTTTGTCATTTAGAGTTCATAAATATTAGGGTTT 887
          | ||   |                || | |      ||||   | ||  | |     ||
Db  16129 ACTTAGAA----------------AATATAGGAGAGCAGAGAGAAAAATCACTCATAATT 16086

Qy    888 ATTTTCTAAATAGAATAGTTTAAACTAAATATAACTTCAAAACGTCTAGTTTGAGTAGCT 947
          |      |   |||    ||  |  | |  | ||     |  | | || | |||  ||
Db  16085 TCTCCACCCAAGAAATTTCATACCCCTATAAACATTTTGCCATATATGGTCTCAGTTTCT 16026

Qy    948 ACCGTTGTTTGG--ATTGAAATTTTCTGATACTGAAAAGAACAAAAAGCCTGCCTTTCTG 1005
           |||| | |   |   ||    | | | ||  | | ||  | | |||  |   || |||
Db  16025 TCCGTGGCTGTGTATTTTTGCCTCTGTTATCTTAATAAATAAATAAACTCACTCTGTCTC 15966

Qy   1006 CCCAGAACCTTTTGCCTCCCCCAGTCAGTTCTTGGAGCAGCACTAGTTAGGGGCCCAGAG 1065
          ||  |      |    |  |||||||  |   |||||   |  |  | |  | || |
Db  15965 CCAGGCTGGAGTACAGTGGTGCAGTCAGAGCCCACAGCAGGCTTGATCTGAGCTCAAGTG 15906

Qy   1066 TTCGGCCTTCTGTGTGGTGATTTTACGCTCTGCCTAAACAAGGAGCCTACATCTTTTAGC 1125
            ||  |   ||  |          ||      ||    ||||   ||  |      ||
Db  15905 ATCTCCTGCCTCAGCCTCCTGAGTA------GCTGGGACAACAGGCATGAGCCACACTGC 15852
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Qy   1126 TCCTATTCCACCCTTCTCACACGTTTTTGTTGTTGTTTGGTTGTTTTTTTTTGAGACAGA 1185
          ||   ||       |||   || | ||| || |  ||   ||  |  |||||||||||
Db  15851 TCAGTTTATGTATTTCATTTACTTATTTATT-TATTTATTTTTTAATGTTTTGAGACAGA 15793

Qy   1186 GTCTCACTCTGTTGCCCAGGCTGGAGTGCAGTGGCACAATCTCGGCTCATTGCAACCTCC 1245
          ||||  |||| |  |||||  ||||||||||||||| ||||||||||||  |||||||||
Db  15792 GTCTTGCTCTTTCACCCAGAGTGGAGTGCAGTGGCATAATCTCGGCTCACTGCAACCTCT 15733

Qy   1246 GCCTCCCGCGTTCAAGTGATTCTCTTGCCTCAGCCTCCCAAGTAACTGATATTACAGGCG 1305
          ||||||| ||||||||||||||| ||| |||||||||||||| |||  |||||||  |
Db  15732 GCCTCCCGGGTTCAAGTGATTCTCGTGCTTCAGCCTCCCAAGTAGCTGGGATTACAGGTG 15673

Qy   1306 CCCAGCCACCACACCCCGCTGATTTTTGTATTTTTAGTAGAGACGGGGTTTTCCCACGTT 1365
               ||||||||||  ||| ||||||||||||||||| |||| | ||||| ||| |||
Db  15672 -TGTGCCACCACACCTGGCTAATTTTTGTATTTTTAGTAAAGACAGCGTTTTACCATGTT 15614

Qy   1366 GGCCGGGCTGGTCTCAAACTCTTGACCTCAAGTGAACCACCCGCCTGTGCCTCCCAAAGT 1425
          ||||  ||||||||  ||| |  || |||||||| ||||| |||| |||||||||| |
Db  15613 GGCCAAGCTGGTCTTGAACACCCGAGCTCAAGTGATCCACCTGCCTTGGCCTCCCAAACT 15554

Qy   1426 GCTGGAATTACCAGCGTGAGCCACCATGCCGGGCTCACACGTTTGAGTTGATA 1478
          ||||| |||||  | ||||||||||  |||  || ||      |  | || |||
Db  15553 GCTGGGATTACAGGTGTGAGCCACCGCGCCCAGCCCAGCTTATATATTTTATA 15501


RESULT 15
US-09-764-904-71
; Sequence 71, Application US/09764904
; Patent No. US20020173454A1
; GENERAL INFORMATION:
;  APPLICANT: Rosen et al.
;  TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
;  FILE REFERENCE: PA122
;  CURRENT APPLICATION NUMBER: US/09/764,904
;  CURRENT FILING DATE:  2001-01-17
;  Prior application data removed - consult PALM or file wrapper
;  NUMBER OF SEQ ID NOS: 137
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 71
;   LENGTH: 31994
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-764-904-71

  Query Match          11.3%;  Score 228.2;  DB 9;  Length 31994;
  Best Local Similarity   80.4%;  Pred. No. 1.8e-41;
  Matches  279;  Conservative    0;  Mismatches   67;  Indels    1;  Gaps    1;

Qy   1113 TACATCTTTTAGCTCCTATTCCACCCTTCTCACACGTTTTTGTTGTTGTTTGGTTGTTTT 1172
          ||  || ||||   || |   | | |  ||   | || |   || |||  || ||||
Db  18019 TATCTCATTTAATCCCCACAAAAGGCCTGCCATTTGGTTATCCCTTTTTTTTTTTTTTTT 18078

Qy   1173 TTTTTGAGACAGAGTCTCACTCTGTTGCCCAGGCTGGAGTGCAGTGGCACAATCTCGGCT 1232
          |||||||||||||||| ||||||| |||||||||||||||||||||||   |||||||||
Db  18079 TTTTTGAGACAGAGTCTTACTCTGTCGCCCAGGCTGGAGTGCAGTGGCATGATCTCGGCT 18138

Qy   1233 CATTGCAACCTCCGCCTCCCGCGTTCAAGTGATTCTCTTGCCTCAGCCTCCCAAGTAACT 1292
          || ||||||||| |||||| | ||||||| ||||||| ||| |||||||||||||| ||
Db  18139 CACTGCAACCTCTGCCTCCTGGGTTCAAGCGATTCTCCTGCTTCAGCCTCCCAAGTAGCT 18198

Qy   1293 GATATTACAGGCGCCCAGCCACCACACCCCGCTGATTTTTGTATTTTTAGTAGAGACGGG 1352
          |  |||| |||||||| ||||||| ||| ||| |||||||||||||| ||||||||||
Db  18199 GGGATTATAGGCGCCC-GCCACCATGCCCGGCTAATTTTTGTATTTTTGGTAGAGACGGG 18257

Qy   1353 GTTTTCCCACGTTGGCCGGGCTGGTCTCAAACTCTTGACCTCAAGTGAACCACCCGCCTG 1412
          ||||| |||||||||| |||||||||| ||||| |||||||||||||  |  ||| |||
Db  18258 GTTTTACCACGTTGGCCAGGCTGGTCTCGAACTCGTGACCTCAAGTGATCTGCCCACCTT 18317

Qy   1413 TGCCTCCCAAAGTGCTGGAATTACCAGCGTGAGCCACCATGCCGGGC 1459
          |||||||||||||||| || ||  | ||||||| ||| ||| |||
Db  18318 GGCCTCCCAAAGTGCTGGGATAACAGGTGTGAGCCTCCACGCCTGGC 18364
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Search completed: April 1, 2003, 03:06:55
Job time : 269 secs

GenCore version 5.1.4_p5_4578

OM nucleic - nucleic search, using sw model

Run on: April 1, 2003, 01:51:22 ; Search time 118 Seconds
(without alignments)
5242.093 Million cell updates/sec

Title: US-09-813-492-1
Perfect score: 2017
Sequence: 1 tagataccctgaacacctcc.....ataccaaaaaaaaaaaaaaa 2017

Scoring table: OLIGO_NUC
Gapop 60.0 , Gapext 60.0

Searched: 441362 seqs, 153338381 residues

Word size : 0

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0
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Post-processing: Listing first 45 summaries

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4: /cgn2_6/ptodata/2/ina/6B_COMB.seq:*
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6: /cgn2_6/ptodata/2/ina/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

	Result No.	Score	% Query Match	Length	DB	ID	Description
	1	313	15.5	3117	4	US-09-146-580-6	Sequence 6, Appli
	2	279	13.8	381	4	US-09-146-580-7	Sequence 7, Appli
c	3	202	10.0	311	4	US-09-146-580-11	Sequence 11, Appl
c	4	104	5.2	104	4	US-09-146-580-8	Sequence 8, Appli
	5	52	2.6	5835	4	US-09-033-333-3	Sequence 3, Appli
	6	52	2.6	5835	4	US-09-033-556-2	Sequence 2, Appli
	7	52	2.6	5835	4	US-09-614-495-3	Sequence 3, Appli
	8	52	2.6	5836	1	US-08-380-916-1	Sequence 1, Appli
	9	52	2.6	5836	3	US-08-721-690-1	Sequence 1, Appli
	10	52	2.6	5836	3	US-08-891-581-1	Sequence 1, Appli
	11	52	2.6	5836	4	US-09-033-333-2	Sequence 2, Appli
	12	52	2.6	5836	4	US-09-033-556-1	Sequence 1, Appli
	13	52	2.6	5836	4	US-09-614-495-2	Sequence 2, Appli
	14	51	2.5	8453	4	US-09-167-681-45	Sequence 45, Appl
c	15	46	2.3	45716	4	US-08-965-048-5	Sequence 5, Appli
c	16	46	2.3	45989	4	US-08-965-048-6	Sequence 6, Appli
	17	46	2.3	72928	3	US-09-009-913-1	Sequence 1, Appli
c	18	45	2.2	8353	3	US-08-611-587-1	Sequence 1, Appli
c	19	44	2.2	4129	2	US-08-370-319C-12	Sequence 12, Appl
c	20	44	2.2	4129	4	US-09-224-834-12	Sequence 12, Appl
c	21	44	2.2	176373	3	US-09-128-155-17	Sequence 17, Appl
c	22	43	2.1	336	4	US-09-385-982-17	Sequence 17, Appl
c	23	43	2.1	956	4	US-09-641-638-56	Sequence 56, Appl
	24	43	2.1	9721	4	US-09-345-217-2	Sequence 2, Appli
c	25	43	2.1	14636	4	US-09-173-914-6	Sequence 6, Appli
c	26	43	2.1	20674	4	US-09-641-638-651	Sequence 651, App
c	27	43	2.1	80246	4	US-09-078-294-4	Sequence 4, Appli
c	28	43	2.1	80595	4	US-09-078-294-3	Sequence 3, Appli
c	29	43	2.1	152331	3	US-09-128-155-16	Sequence 16, Appl
c	30	41	2.0	850	4	US-09-288-143-26	Sequence 26, Appl
	31	40	2.0	5590	4	US-09-050-159-129	Sequence 129, App
	32	40	2.0	19736	4	US-09-740-035-3	Sequence 3, Appli
c	33	39	1.9	62804	4	US-09-800-960-3	Sequence 3, Appli
	34	39	1.9	99500	4	US-09-798-096-10	Sequence 10, Appl
c	35	39	1.9	112132	4	US-09-741-150-3	Sequence 3, Appli
	36	37	1.8	57	2	US-08-332-766A-3	Sequence 3, Appli
	37	37	1.8	7720	4	US-09-318-448-5	Sequence 5, Appli
c	38	37	1.8	7720	4	US-09-318-448-5	Sequence 5, Appli
	39	37	1.8	50000	4	US-09-146-053-3	Sequence 3, Appli
	40	37	1.8	65042	4	US-09-784-316-3	Sequence 3, Appli
	41	37	1.8	81001	4	US-09-750-580-1	Sequence 1, Appli
c	42	37	1.8	84495	4	US-09-797-906-3	Sequence 3, Appli
	43	37	1.8	152331	3	US-09-128-155-16	Sequence 16, Appl
	44	36	1.8	1371	3	US-08-884-324-11	Sequence 11, Appl
	45	36	1.8	4576	1	US-08-832-883-49	Sequence 49, Appl

ALIGNMENTS

RESULT 1
US-09-146-580-6
; Sequence 6, Application US/09146580A
; Patent No. 6306653
; GENERAL INFORMATION:
; APPLICANT: Papsidero, Lawrence D
; APPLICANT: Dyster, Lyn M
; APPLICANT: Frustaci, Jana M
; TITLE OF INVENTION: DETECTION AND TREATMENT OF BREAST DISEASE
; FILE REFERENCE: 200755/1002
; CURRENT APPLICATION NUMBER: US/09/146,580A
; CURRENT FILING DATE: 1998-09-03
; EARLIER APPLICATION NUMBER: 60/071,889
; EARLIER FILING DATE: 1998-01-20
; EARLIER APPLICATION NUMBER: 60/092,155
; EARLIER FILING DATE: 1998-07-09
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
; LENGTH: 3117
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (35)
; OTHER INFORMATION: N at any position in this sequence is A, C, G, or
; OTHER INFORMATION: T
US-09-146-580-6

Query Match 15.5%; Score 313; DB 4; Length 3117;
Best Local Similarity 100.0%; Pred. No. 3.8e-125;
Matches 313; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy    697 CTCAAACTCCTGGGCTCAAGCGATCCTCCCACCTTAGCCTCCCAAAGTACTGGGATTATA 756
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   1695 CTCAAACTCCTGGGCTCAAGCGATCCTCCCACCTTAGCCTCCCAAAGTACTGGGATTATA 1754

Qy    757 GGTGTGAGCCACAGTGCCTGGCCTAATTATTTTCTTGTGATCAAATTCAGGTTTAATGTT 816
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   1755 GGTGTGAGCCACAGTGCCTGGCCTAATTATTTTCTTGTGATCAAATTCAGGTTTAATGTT 1814

Qy    817 TTTGGTTAAGAATTTCCTACGTGAATTCGTGTACTTATTTTGTCATTTAGAGTTCATAAA 876
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   1815 TTTGGTTAAGAATTTCCTACGTGAATTCGTGTACTTATTTTGTCATTTAGAGTTCATAAA 1874

Qy    877 TATTAGGGTTTATTTTCTAAATAGAATAGTTTAAACTAAATATAACTTCAAAACGTCTAG 936
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   1875 TATTAGGGTTTATTTTCTAAATAGAATAGTTTAAACTAAATATAACTTCAAAACGTCTAG 1934

Qy    937 TTTGAGTAGCTACCGTTGTTTGGATTGAAATTTTCTGATACTGAAAAGAACAAAAAGCCT 996
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Db  1935 TTTGAGTAGCTACCGTTGTTTGGATTGAAATTTTCTGATACTGAAAAGAACAAAAAGCCT 1994

Qy   997 GCCTTTCTGCCCA 1009
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Db  1995 GCCTTTCTGCCCA 2007
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RESULT 2
US-09-146-580-7
; Sequence 7, Application US/09146580A
; Patent No. 6306653
; GENERAL INFORMATION:
; APPLICANT: Papsidero, Lawrence D
; APPLICANT: Dyster, Lyn M
; APPLICANT: Frustaci, Jana M
; TITLE OF INVENTION: DETECTION AND TREATMENT OF BREAST DISEASE
; FILE REFERENCE: 200755/1002
; CURRENT APPLICATION NUMBER: US/09/146,580A
; CURRENT FILING DATE: 1998-09-03
; EARLIER APPLICATION NUMBER: 60/071,889
; EARLIER FILING DATE: 1998-01-20
; EARLIER APPLICATION NUMBER: 60/092,155
; EARLIER FILING DATE: 1998-07-09
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 7
; LENGTH: 381
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (207)
; OTHER INFORMATION: N at position 207 is either A, C, G, or T
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (272)
; OTHER INFORMATION: N at position 272 is either A, C, G, or T
US-09-146-580-7

Query Match 13.8%; Score 279; DB 4; Length 381;
Best Local Similarity 99.5%; Pred. No. 1.6e-110;
Matches 379; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

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Qy    147 TGCAGCAGAGAGGACTCGCCATCGTGGCCTTGGCTGTCTGTGCGGCCCTACATGCCTCAG 206
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      1 TGCAGCAGAGAGGACTCGCCATCGTGGCCTTGGCTGTCTGTGCGGCCCTACATGCCTCAG 60

Qy    207 AAGCCATACTTCCCATTGCCTCCAGCTGTTGCACGGAGGTTTCACATCATATTTCCAGAA 266
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     61 AAGCCATACTTCCCATTGCCTCCAGCTGTTGCACGGAGGTTTCACATCATATTTCCAGAA 120

Qy    267 GGCTCCTGGAAAGAGTGAATATGTGTCGCATCCAGAGAGCTGATGGGGATTGTGACTTGG 326
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    121 GGCTCCTGGAAAGAGTGAATATGTGTCGCATCCAGAGAGCTGATGGGGATTGTGACTTGG 180

Qy    327 CTGCTGTCATCCTTCATGTCAAGCGCNGAAGAATCTGTGTCAGCCCGCACAACCATACTG 386
          |||||||||||||||||||||||| ||||||||||||||||||||||||||||||||||||
Db    181 CTGCTGTCATCCTTCATGTCAAGCGCNGAAGAATCTGTGTCAGCCCGCACAACCATACTG 240

Qy    387 TTAAGCAGTGGATGAAAGTGCAAGCTGCCAAGAAAAAATGGTAAAGGAAATGTTTGCCACA 446
          |||||||||||||||||||||||| ||||||||||||||||||||||||||||||||||||
Db    241 TTAAGCAGTGGATGAAAGTGCAAGCTGCCAANAAAAAATGGTAAAGGAAATGTTTGCCACA 300

Qy    447 GGAAGAAACACCATGGCAAGAGGAACAGTAACAGGGCACATCAGGGGAAACACGAAACAT 506
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    301 GGAAGAAACACCATGGCAAGAGGAACAGTAACAGGGCACATCAGGGGAAACACGAAACAT 360

Qy    507 ACGGCCATAAAACTCCTTATT 527
          |||||||||||||||||||||
Db    361 ACGGCCATAAAACTCCTTATT 381
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RESULT 3
US-09-146-580-11/c
; Sequence 11, Application US/09146580A
; Patent No. 6306653
; GENERAL INFORMATION:
; APPLICANT: Papsidero, Lawrence D
; APPLICANT: Dyster, Lyn M
; APPLICANT: Frustaci, Jana M
; TITLE OF INVENTION: DETECTION AND TREATMENT OF BREAST DISEASE
; FILE REFERENCE: 200755/1002
; CURRENT APPLICATION NUMBER: US/09/146,580A
; CURRENT FILING DATE: 1998-09-03
; EARLIER APPLICATION NUMBER: 60/071,889
; EARLIER FILING DATE: 1998-01-20
; EARLIER APPLICATION NUMBER: 60/092,155
; EARLIER FILING DATE: 1998-07-09
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 11
; LENGTH: 311
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (101)
; OTHER INFORMATION: N at position 101 is either A, C, G, or T
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (162)
; OTHER INFORMATION: N at position 162 is either A, C, G, or T
US-09-146-580-11

Query Match 10.0%; Score 202; DB 4; Length 311;
Best Local Similarity 99.3%; Pred. No. 1.7e-77;
Matches 302; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

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Qy    208 AGCCATACTTCCCATTGCCTCCAGCTGTTGCACGGAGGTTTCACATCATATTTCCAGAAG 267
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    311 AGCCATACTTCCCATTGCCTCCAGCTGTTGCACGGAGGTTTCACATCATATTTCCAGAAG 252

Qy    268 GCTCCTGGAAAGAGTGAATATGTGTCGCATCCAGAGAGCTGATGGGGATTGTGACTTGGC 327
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    251 GCTCCTGGAAAGAGTGAATATGTGTCGCATCCAGAGAGCTGATGGGGATTGTGACTTGGC 192

Qy    328 TGCTGTCATCCTTCATGTCAAGCGCAGAAGAATCTGTGTCAGCCCGCACAACCATACTGT 387
          ||||||||||||||||||||||||||||| |||||||||||||||||||||||||||||||||
Db    191 TGCTGTCATCCTTCATGTCAAGCGCAGAANAATCTGTGTCAGCCCGCACAACCATACTGT 132

Qy    388 TAAGCAGTGGATGAAAGTGCAAGCTGCCAAGAAAAAATGGTAAAGGAAATGTTTGCCACAG 447
          ||||||||||||||||||||||||||||| |||||||||||||||||||||||||||||||||
Db    131 TAAGCAGTGGATGAAAGTGCAAGCTGCCAANAAAAAATGGTAAAGGAAATGTTTGCCACAG 72

Qy    448 GAAGAAACACCATGGCAAGAGGAACAGTAACAGGGCACATCAGGGGAAACACGAAACATA 507
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     71 GAAGAAACACCATGGCAAGAGGAACAGTAACAGGGCACATCAGGGGAAACACGAAACATA 12

Qy    508 CGGC 511
          ||||
Db     11 CGGC 8
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RESULT 4
US-09-146-580-8/c
; Sequence 8, Application US/09146580A
; Patent No. 6306653
; GENERAL INFORMATION:
; APPLICANT: Papsidero, Lawrence D
; APPLICANT: Dyster, Lyn M
; APPLICANT: Frustaci, Jana M
; TITLE OF INVENTION: DETECTION AND TREATMENT OF BREAST DISEASE
; FILE REFERENCE: 200755/1002
; CURRENT APPLICATION NUMBER: US/09/146,580A
; CURRENT FILING DATE: 1998-09-03

```
;  EARLIER APPLICATION NUMBER: 60/071,889
;  EARLIER FILING DATE: 1998-01-20
;  EARLIER APPLICATION NUMBER: 60/092,155
;  EARLIER FILING DATE: 1998-07-09
;  NUMBER OF SEQ ID NOS: 18
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 8
;   LENGTH: 104
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-146-580-8

  Query Match             5.2%;  Score 104;  DB 4;  Length 104;
  Best Local Similarity   100.0%;  Pred. No. 1.8e-35;
  Matches  104;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy     745 ACTGGGATTATAGGTGTGAGCCACAGTGCCTGGCCTAATTATTTTCTTGTGATCAAATTC 804
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     104 ACTGGGATTATAGGTGTGAGCCACAGTGCCTGGCCTAATTATTTTCTTGTGATCAAATTC 45

Qy     805 AGGTTTAATGTTTTTGGTTAAGAATTTCCTACGTGAATTCGTGT 848
           |||||||||||||||||||||||||||||||||||||||||||
Db      44 AGGTTTAATGTTTTTGGTTAAGAATTTCCTACGTGAATTCGTGT 1


RESULT 5
US-09-033-333-3
; Sequence 3, Application US/09033333
; Patent No. 6197293
;  GENERAL INFORMATION:
;    APPLICANT:  Yu, De Chao
;    APPLICANT:  Schuur, Eric
;    APPLICANT:  Henderson, Daniel
;    TITLE OF INVENTION:  ADENOVIRUS VECTORS SPECIFIC
;    TITLE OF INVENTION:  FOR CELLS EXPRESSING ANDROGEN RECEPTOR AND METHODS OF USE
;    TITLE OF INVENTION:  THEREOF
;    NUMBER OF SEQUENCES:  22
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  MORRISON & FOERSTER
;      STREET:  755 PAGE MILL ROAD
;      CITY:  Palo Alto
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  94304-1018
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  Windows
;      SOFTWARE:  FastSEQ for Windows Version 2.0b
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/033,333
;      FILING DATE:  02-MAR-1998
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Catherine, Polizzi M
;      REGISTRATION NUMBER:  40,130
;      REFERENCE/DOCKET NUMBER:  34802-20007.00
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  650-813-5600
;      TELEFAX:  650-494-0792
;      TELEX:  706141
;  INFORMATION FOR SEQ ID NO:  3:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  5835 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-09-033-333-3

  Query Match             2.6%;  Score 52;  DB 4;  Length 5835;
  Best Local Similarity   100.0%;  Pred. No. 2.8e-13;
  Matches   52;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy    1169 TTTTTTTTTGAGACAGAGTCTCACTCTGTTGCCCAGGCTGGAGTGCAGTGGC 1220
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    3899 TTTTTTTTTGAGACAGAGTCTCACTCTGTTGCCCAGGCTGGAGTGCAGTGGC 3950


RESULT 6
US-09-033-556-2
; Sequence 2, Application US/09033556
; Patent No. 6432700
;  GENERAL INFORMATION:
;    APPLICANT:  Henderson, Daniel R.
;    APPLICANT:  Yu, De Chao
;    TITLE OF INVENTION:  ADENOVIRUS VECTORS CONTAINING
;    TITLE OF INVENTION:  HETEROLOGOUS TRANSCRIPTION REGULATORY ELEMENTS AND METHODS
;    TITLE OF INVENTION:  OF USING SAME
;    NUMBER OF SEQUENCES:  41
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  MORRISON & FOERSTER
;      STREET:  755 PAGE MILL ROAD
;      CITY:  Palo Alto
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  94304-1018
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  Windows
;      SOFTWARE:  FastSEQ for Windows Version 2.0b
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/033,556
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Catherine, Polizzi M
;      REGISTRATION NUMBER:  40,130
;      REFERENCE/DOCKET NUMBER:  34802-20010.00
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  650-813-5600
;      TELEFAX:  650-494-0792
;      TELEX:  706141
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  5835 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-09-033-556-2

  Query Match             2.6%;  Score 52;  DB 4;  Length 5835;
  Best Local Similarity   100.0%;  Pred. No. 2.8e-13;
  Matches   52;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy    1169 TTTTTTTTTGAGACAGAGTCTCACTCTGTTGCCCAGGCTGGAGTGCAGTGGC 1220
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    3899 TTTTTTTTTGAGACAGAGTCTCACTCTGTTGCCCAGGCTGGAGTGCAGTGGC 3950


RESULT 7
US-09-614-495-3
; Sequence 3, Application US/09614495
; Patent No. 6436394
;  GENERAL INFORMATION:
;       APPLICANT: Yu, De Chao
;                  Schuur, Eric
;                  Henderson, Daniel
;       TITLE OF INVENTION: ADENOVIRUS VECTORS SPECIFIC
;                           FOR CELLS EXPRESSING ANDROGEN RECEPTOR AND METHODS OF USE
```

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;                          THEREOF
;       NUMBER OF SEQUENCES: 22
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE: MORRISON & FOERSTER
;            STREET: 755 PAGE MILL ROAD
;            CITY: Palo Alto
;            STATE: CA
;            COUNTRY: USA
;            ZIP: 94304-1018
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: Diskette
;            COMPUTER: IBM Compatible
;            OPERATING SYSTEM: Windows
;            SOFTWARE: FastSEQ for Windows Version 2.0b
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER: US/09/614,495
;            FILING DATE: 11-Jul-2000
;            CLASSIFICATION: <Unknown>
;       PRIOR APPLICATION DATA:
;            APPLICATION NUMBER: 09/033,333
;            FILING DATE: <Unknown>
;       ATTORNEY/AGENT INFORMATION:
;            NAME: Catherine, Polizzi M
;            REGISTRATION NUMBER: 40,130
;            REFERENCE/DOCKET NUMBER: 34802-20007.00
;       TELECOMMUNICATION INFORMATION:
;            TELEPHONE: 650-813-5600
;            TELEFAX: 650-494-0792
;            TELEX: 706141
;  INFORMATION FOR SEQ ID NO: 3:
;       SEQUENCE CHARACTERISTICS:
;            LENGTH: 5835 base pairs
;            TYPE: nucleic acid
;            STRANDEDNESS: single
;            TOPOLOGY: linear
;       SEQUENCE DESCRIPTION: SEQ ID NO: 3:
US-09-614-495-3

  Query Match             2.6%;  Score 52;  DB 4;  Length 5835;
  Best Local Similarity   100.0%;  Pred. No. 2.8e-13;
  Matches   52;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy   1169 TTTTTTTTTGAGACAGAGTCTCACTCTGTTGCCCAGGCTGGAGTGCAGTGGC 1220
          ||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   3899 TTTTTTTTTGAGACAGAGTCTCACTCTGTTGCCCAGGCTGGAGTGCAGTGGC 3950


RESULT 8
US-08-380-916-1
; Sequence 1, Application US/08380916
; Patent No. 5648478
;  GENERAL INFORMATION:
;    APPLICANT:  Calydon, Inc.
;    TITLE OF INVENTION:  Tissue-Specific Enhancer Active in
;    TITLE OF INVENTION:  Prostrate
;    NUMBER OF SEQUENCES:  2
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Flehr, Hohbach, Test, Albritton & Herbert
;      STREET:  Four Embarcardero Center, Suite 3400
;      CITY:  San Francisco
;      STATE:  CA
;      COUNTRY:  US
;      ZIP:  94111
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/380,916
;      FILING DATE:  12-JAN-1995
;      CLASSIFICATION:  424
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/182,247
;      FILING DATE:  13-JAN-1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Rowland, Bertram I.
;      REGISTRATION NUMBER:  20015
;      REFERENCE/DOCKET NUMBER:  FP-60058-PC
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  415-781-1989
;      TELEFAX:  415-398-3249
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  5836 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-08-380-916-1

  Query Match             2.6%;  Score 52;  DB 1;  Length 5836;
  Best Local Similarity   100.0%;  Pred. No. 2.8e-13;
  Matches   52;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy   1169 TTTTTTTTTGAGACAGAGTCTCACTCTGTTGCCCAGGCTGGAGTGCAGTGGC 1220
          ||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   3900 TTTTTTTTTGAGACAGAGTCTCACTCTGTTGCCCAGGCTGGAGTGCAGTGGC 3951


RESULT 9
US-08-721-690-1
; Sequence 1, Application US/08721690
; Patent No. 6057299
;  GENERAL INFORMATION:
;    APPLICANT:  Henderson, Daniel R.
;    TITLE OF INVENTION:  TISSUE-SPECIFIC ENHANCER ACTIVE
;    TITLE OF INVENTION:  IN PROSTATE
;    NUMBER OF SEQUENCES:  22
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  MORRISON & FOERSTER
;      STREET:  755 PAGE MILL ROAD
;      CITY:  Palo Alto
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  94304-1018
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ for Windows Version 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/721,690
;      FILING DATE:  27-SEP-1996
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/380,916
;      FILING DATE:  30-JAN-1995
;      APPLICATION NUMBER:  US 08/182,247
;      FILING DATE:  13-JAN-1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Catherine, Polizzi M
;      REGISTRATION NUMBER:  40,130
;      REFERENCE/DOCKET NUMBER:  34802-20001.21
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  415-813-5600
;      TELEFAX:  415-494-0792
;      TELEX:  706141
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  5836 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-721-690-1
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  Query Match             2.6%;  Score 52;  DB 3;  Length 5836;
  Best Local Similarity   100.0%;  Pred. No. 2.8e-13;
  Matches   52;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy   1169 TTTTTTTTTGAGACAGAGTCTCACTCTGTTGCCCAGGCTGGAGTGCAGTGGC 1220
          ||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   3900 TTTTTTTTTGAGACAGAGTCTCACTCTGTTGCCCAGGCTGGAGTGCAGTGGC 3951


RESULT 10
US-08-891-581-1
; Sequence 1, Application US/08891581
; Patent No. 6136792
;  GENERAL INFORMATION:
;    APPLICANT:  Henderson, Daniel R.
;    TITLE OF INVENTION:  TISSUE SPECIFIC ENHANCER ACTIVE
;    TITLE OF INVENTION:  IN PROSTATE
;    NUMBER OF SEQUENCES:  2
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  MORRISON & FOERSTER
;      STREET:  755 PAGE MILL ROAD
;      CITY:  Palo Alto
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  94304-1018
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ for Windows Version 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/891,581
;      FILING DATE:
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/380,916
;      FILING DATE:  30-JAN-1995
;      APPLICATION NUMBER:  US 08/182,247
;      FILING DATE:  13-JAN-1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Catherine, Polizzi M
;      REGISTRATION NUMBER:  40,130
;      REFERENCE/DOCKET NUMBER:  34802-20001.22
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  415-813-5600
;      TELEFAX:  415-494-0792
;      TELEX:  706141
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  5836 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-891-581-1

  Query Match             2.6%;  Score 52;  DB 3;  Length 5836;
  Best Local Similarity   100.0%;  Pred. No. 2.8e-13;
  Matches   52;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy   1169 TTTTTTTTTGAGACAGAGTCTCACTCTGTTGCCCAGGCTGGAGTGCAGTGGC 1220
          ||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   3900 TTTTTTTTTGAGACAGAGTCTCACTCTGTTGCCCAGGCTGGAGTGCAGTGGC 3951


RESULT 11
US-09-033-333-2
; Sequence 2, Application US/09033333
; Patent No. 6197293
;  GENERAL INFORMATION:
;    APPLICANT:  Yu, De Chao
;    APPLICANT:  Schuur, Eric
;    APPLICANT:  Henderson, Daniel
;    TITLE OF INVENTION:  ADENOVIRUS VECTORS SPECIFIC
;    TITLE OF INVENTION:  FOR CELLS EXPRESSING ANDROGEN RECEPTOR AND METHODS OF USE
;    TITLE OF INVENTION:  THEREOF
;    NUMBER OF SEQUENCES:  22
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  MORRISON & FOERSTER
;      STREET:  755 PAGE MILL ROAD
;      CITY:  Palo Alto
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  94304-1018
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  Windows
;      SOFTWARE:  FastSEQ for Windows Version 2.0b
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/033,333
;      FILING DATE:  02-MAR-1998
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Catherine, Polizzi M
;      REGISTRATION NUMBER:  40,130
;      REFERENCE/DOCKET NUMBER:  34802-20007.00
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  650-813-5600
;      TELEFAX:  650-494-0792
;      TELEX:  706141
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  5836 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-09-033-333-2

  Query Match             2.6%;  Score 52;  DB 4;  Length 5836;
  Best Local Similarity   100.0%;  Pred. No. 2.8e-13;
  Matches   52;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy   1169 TTTTTTTTTGAGACAGAGTCTCACTCTGTTGCCCAGGCTGGAGTGCAGTGGC 1220
          ||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   3900 TTTTTTTTTGAGACAGAGTCTCACTCTGTTGCCCAGGCTGGAGTGCAGTGGC 3951


RESULT 12
US-09-033-556-1
; Sequence 1, Application US/09033556
; Patent No. 6432700
;  GENERAL INFORMATION:
;    APPLICANT:  Henderson, Daniel R.
;    APPLICANT:  Yu, De Chao
;    TITLE OF INVENTION:  ADENOVIRUS VECTORS CONTAINING
;    TITLE OF INVENTION:  HETEROLOGOUS TRANSCRIPTION REGULATORY ELEMENTS AND METHODS
;    TITLE OF INVENTION:  OF USING SAME
;    NUMBER OF SEQUENCES:  41
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  MORRISON & FOERSTER
;      STREET:  755 PAGE MILL ROAD
;      CITY:  Palo Alto
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  94304-1018
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  Windows
;      SOFTWARE:  FastSEQ for Windows Version 2.0b
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/033,556
;      FILING DATE:
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;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Catherine, Polizzi M
;      REGISTRATION NUMBER:  40,130
;      REFERENCE/DOCKET NUMBER:  34802-20010.00
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  650-813-5600
;      TELEFAX:  650-494-0792
;      TELEX:  706141
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  5836 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-09-033-556-1

  Query Match             2.6%;  Score 52;  DB 4;  Length 5836;
  Best Local Similarity   100.0%;  Pred. No. 2.8e-13;
  Matches   52;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy   1169 TTTTTTTTTGAGACAGAGTCTCACTCTGTTGCCCAGGCTGGAGTGCAGTGGC 1220
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Db   3900 TTTTTTTTTGAGACAGAGTCTCACTCTGTTGCCCAGGCTGGAGTGCAGTGGC 3951


RESULT 13
US-09-614-495-2
; Sequence 2, Application US/09614495
; Patent No. 6436394
;   GENERAL INFORMATION:
;        APPLICANT: Yu, De Chao
;                   Schuur, Eric
;                   Henderson, Daniel
;        TITLE OF INVENTION: ADENOVIRUS VECTORS SPECIFIC
;                            FOR CELLS EXPRESSING ANDROGEN RECEPTOR AND METHODS OF USE
;                            THEREOF
;        NUMBER OF SEQUENCES: 22
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: MORRISON & FOERSTER
;             STREET: 755 PAGE MILL ROAD
;             CITY: Palo Alto
;             STATE: CA
;             COUNTRY: USA
;             ZIP: 94304-1018
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Diskette
;             COMPUTER: IBM Compatible
;             OPERATING SYSTEM: Windows
;             SOFTWARE: FastSEQ for Windows Version 2.0b
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/09/614,495
;             FILING DATE: 11-Jul-2000
;             CLASSIFICATION: <Unknown>
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: 09/033,333
;             FILING DATE: <Unknown>
;        ATTORNEY/AGENT INFORMATION:
;             NAME: Catherine, Polizzi M
;             REGISTRATION NUMBER: 40,130
;             REFERENCE/DOCKET NUMBER: 34802-20007.00
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: 650-813-5600
;             TELEFAX: 650-494-0792
;             TELEX: 706141
;   INFORMATION FOR SEQ ID NO: 2:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 5836 base pairs
;             TYPE: nucleic acid
;             STRANDEDNESS: single
;             TOPOLOGY: linear
;        SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-09-614-495-2

  Query Match             2.6%;  Score 52;  DB 4;  Length 5836;
  Best Local Similarity   100.0%;  Pred. No. 2.8e-13;
  Matches   52;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy   1169 TTTTTTTTTGAGACAGAGTCTCACTCTGTTGCCCAGGCTGGAGTGCAGTGGC 1220
          ||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   3900 TTTTTTTTTGAGACAGAGTCTCACTCTGTTGCCCAGGCTGGAGTGCAGTGGC 3951


RESULT 14
US-09-167-681-45
; Sequence 45, Application US/09167681A
; Patent No. 6265561
; GENERAL INFORMATION:
;  APPLICANT: Weinshilboum, M.D., Richard M.
;  APPLICANT: Raftogianis, Rebecca B.
;  APPLICANT: Wood, Thomas C.
;  APPLICANT: Otterness, Diane M.
;  TITLE OF INVENTION: SULFOTRANSFERASE SEQUENCE VARIANTS
;  FILE REFERENCE: 07039/118001
;  CURRENT APPLICATION NUMBER: US/09/167,681A
;  CURRENT FILING DATE: 1998-10-07
;  NUMBER OF SEQ ID NOS: 52
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 45
;   LENGTH: 8447
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: CDS
;   LOCATION: (4361)...(4507)
;   NAME/KEY: CDS
;   LOCATION: (4612)...(4737)
;   NAME/KEY: CDS
;   LOCATION: (4827)...(4925)
;   NAME/KEY: CDS
;   LOCATION: (6322)...(6447)
;   NAME/KEY: CDS
;   LOCATION: (6543)...(6638)
;   NAME/KEY: CDS
;   LOCATION: (7137)...(7316)
;   NAME/KEY: CDS
;   LOCATION: (7439)...(7553)
US-09-167-681-45

  Query Match             2.5%;  Score 51;  DB 4;  Length 8453;
  Best Local Similarity   100.0%;  Pred. No. 7.4e-13;
  Matches   51;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy   1169 TTTTTTTTTGAGACAGAGTCTCACTCTGTTGCCCAGGCTGGAGTGCAGTGG 1219
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Db   1709 TTTTTTTTTGAGACAGAGTCTCACTCTGTTGCCCAGGCTGGAGTGCAGTGG 1759


RESULT 15
US-08-965-048-5/c
; Sequence 5, Application US/08965048
; Patent No. 6323244
; GENERAL INFORMATION:
;  APPLICANT: Chen, Hong
;  APPLICANT: Freimer, Nelson
;  TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR THE DIAGNOSIS AND
;  TITLE OF INVENTION: TREATMENT OF NEUROPSYCHIATRIC DISORDERS
;  FILE REFERENCE: 7853-093
;  CURRENT APPLICATION NUMBER: US/08/965,048
;  CURRENT FILING DATE: 1997-11-05
;  NUMBER OF SEQ ID NOS: 8
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5
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; LENGTH: 45716
; TYPE: DNA
; ORGANISM: Homo sapiens
US-08-965-048-5

Query Match 2.3%; Score 46; DB 4; Length 45716;
Best Local Similarity 100.0%; Pred. No. 9.3e-11;
Matches 46; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1174 TTTTGAGACAGAGTCTCACTCTGTTGCCCAGGCTGGAGTGCAGTGG 1219
||||||||||||||||||||||||||||||||||||||||||||||
Db 21355 TTTTGAGACAGAGTCTCACTCTGTTGCCCAGGCTGGAGTGCAGTGG 21310

Search completed: April 1, 2003, 03:10:26
Job time : 263 secs